

2017 ANNUAL OPERATING REPORT

Site:

**GEIGY CHEMICAL CORPORATION CERCLA SITE
ABERDEEN, MOORE COUNTY, NORTH CAROLINA
COMMITTEE CORRESPONDENCE**

Submitted To:

**MR. JON BORNHOLM
USEPA REGION IV
61 FORSYTH STREET, SW
MAIL CODE: 9T25
ATLANTA, GA 30303-8960**

Prepared By:

**ENVIROTRAC LTD.
7343 WEST FRIENDLY AVENUE, SUITE J
GREENSBORO, NC 27410
(336) 763-6025**

FEBRUARY 2018

***A Full Service Environmental Consulting
and Contracting Firm***





February 22, 2018

Mr. Jon Bornholm
Remedial Project Manager
USEPA Region IV
61 Forsyth Street, SW
Mail Code: 9T25
Atlanta, Georgia 30303-8960

**RE: 2017 Annual Operating Report
Groundwater Remediation Permit No. WQ0009949
Geigy Chemical Corporation CERCLA Site
Aberdeen, North Carolina**

Dear Mr. Bornholm:

On behalf of Olin Corporation and Syngenta Crop Protection (the Companies), the purpose of this letter is to transmit the analytical results for the 2017 annual sampling event for the Geigy Chemical Corporation CERCLA Site groundwater extraction, treatment, and discharge system. Information provided in this report includes:

- Monitoring requirements summary table (Attachment 1);
- Site extraction and treatment system layout (Attachment 2);
- Monitoring event analytical summary tables (Attachment 3);
- BHC isomer trend graphs for site indicator wells and figures (Attachment 4);
- Completed copies of NCDEQ GW-59 Forms and laboratory reports with chain-of-custody documents (Attachment 5); and
- Monthly windshield survey for new construction (Attachment 6).

The system performed as designed during 2017 and experienced minimal down-time. Over 5.5 million gallons of water was extracted and treated between December 21, 2016 and December 14, 2017, at an effective treatment efficiency of nearly 100 percent. The system is routinely shutdown for brief periods to conduct operation and maintenance activities such as replacing carbon drums, fittings, and bag filters. Well pumps, flow meters, and electrical relays were replaced without shutting down the system. Six 55-gallon drums of granular activated carbon were changed in March and the used drums were transported to Siemens for recycling/re-activation. Pumping of the Upper Black Creek Aquifer extraction wells (PW-1D, PW-2D, and PW-3D) continues to fulfill the closed-loop requirement of the Site Groundwater Remediation Permit.



BHC isomer concentration trend graphs are provided in Attachment 4. The graphs include data from the initial sampling event through the October 2017 sampling event to facilitate review of the groundwater quality monitoring data. Alpha-BHC, beta-BHC, delta-BHC, and gamma-BHC concentrations are provided on the graphs as these constituents typically represent the highest concentrations and detection frequencies among the pesticides included in the sample analyses. In reviewing the graphs, please note that monitoring wells MW-16S, MW-17S, and MW-18S are screened in the surficial aquifer to monitor the infiltration gallery. Monitoring wells MW-16D and MW-17D are screened in the Upper Black Creek aquifer and are located hydraulically upgradient of the site. The graphs generally indicate steady or decreasing trends in BHC isomer concentrations from historical levels.

Information provided in Attachment 5 of this submittal is intended to fulfill the annual reporting requirements described in Section IV, Paragraph 4 of the Site Groundwater Remediation Permit. Accordingly, one copy of this report has been sent to the North Carolina Department of Environmental Quality (NCDEQ) Division of Water Resources (DWR).

Monthly windshield surveys of properties within the BHC plume have been summarized on the Table included in Attachment 6. New construction was not observed during site reconnaissance performed in 2017.

Should you have questions regarding the report, please contact Chris Hay at (336) 763-6025.

Sincerely,
ENVIROTRAC LTD.

A handwritten signature in blue ink that reads "Gail Hay".

Gail G. Hay, P.E.
Senior Engineer

A handwritten signature in blue ink that reads "Chris Hay".

Christopher W. Hay, E.I.
Principal

Enclosure

Cc: Doug Rumford, NCDEQ Superfund Section, w/enc.
Michael Rogers, NCDEQ DWR, w/enc.
Garland Hilliard, Olin Corporation, w/enc.
George Crouse, Syngenta, w/enc.

ATTACHMENT 1
MONITORING REQUIREMENTS
SUMMARY TABLE

TABLE 1: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MONITORING SCHEDULE

SAMPLE LOCATION	PARAMETERS		FREQUENCY	
	TCL PESTICIDES	TCE	QUARTERLY	ANNUALLY
MW-4S	✓			✓
MW-5S	✓			✓
MW-6S	✓			✓
MW-10S	✓	✓		✓
MW-16S	✓	✓		✓
MW-17S	✓	✓		✓
MW-18S	✓	✓		✓
MW-11D	✓	✓		✓
MW-16D		✓		✓
MW-17D		✓		✓
MW-18D	✓	✓		✓
MW-20D	✓			✓
MW-22D	✓			✓
MW-23D	✓			✓
MW-26D	✓			✓
MW-30D	✓	✓		✓
MW-22L	✓			✓
MW-25L	✓			✓
MW-27L	✓			✓
MW-31L	✓			✓
MW-32L	✓			✓
MW-36L	✓			✓
MW-37L	✓			✓
MW-38L	✓			✓
MW-39L	✓			✓
MW-40L	✓			✓
PZ-2	✓			✓
PZ-3	✓			✓
PZ-5	✓			✓
Influent	✓	✓	✓	
Effluent	✓	✓	✓	
Carbon Train A	✓	✓	✓	
Carbon Train B	✓	✓	✓	

ATTACHMENT 2
SITE EXTRACTION AND TREATMENT
SYSTEM LAYOUT

LOCATION OF ACCESS ROAD SHOWN ON THIS DRAWING IS APPROXIMATE.



7343 W. FRIENDLY AVENUE, SUITE J
GREENSBORO, NORTH CAROLINA

FIGURE 1
EXTRACTION AND TREATMENT SYSTEM SITE LAYOUT

Geigy Chemical Corporation
Aberdeen, North Carolina

DATE: 11/04/2015

APPROVED BY:

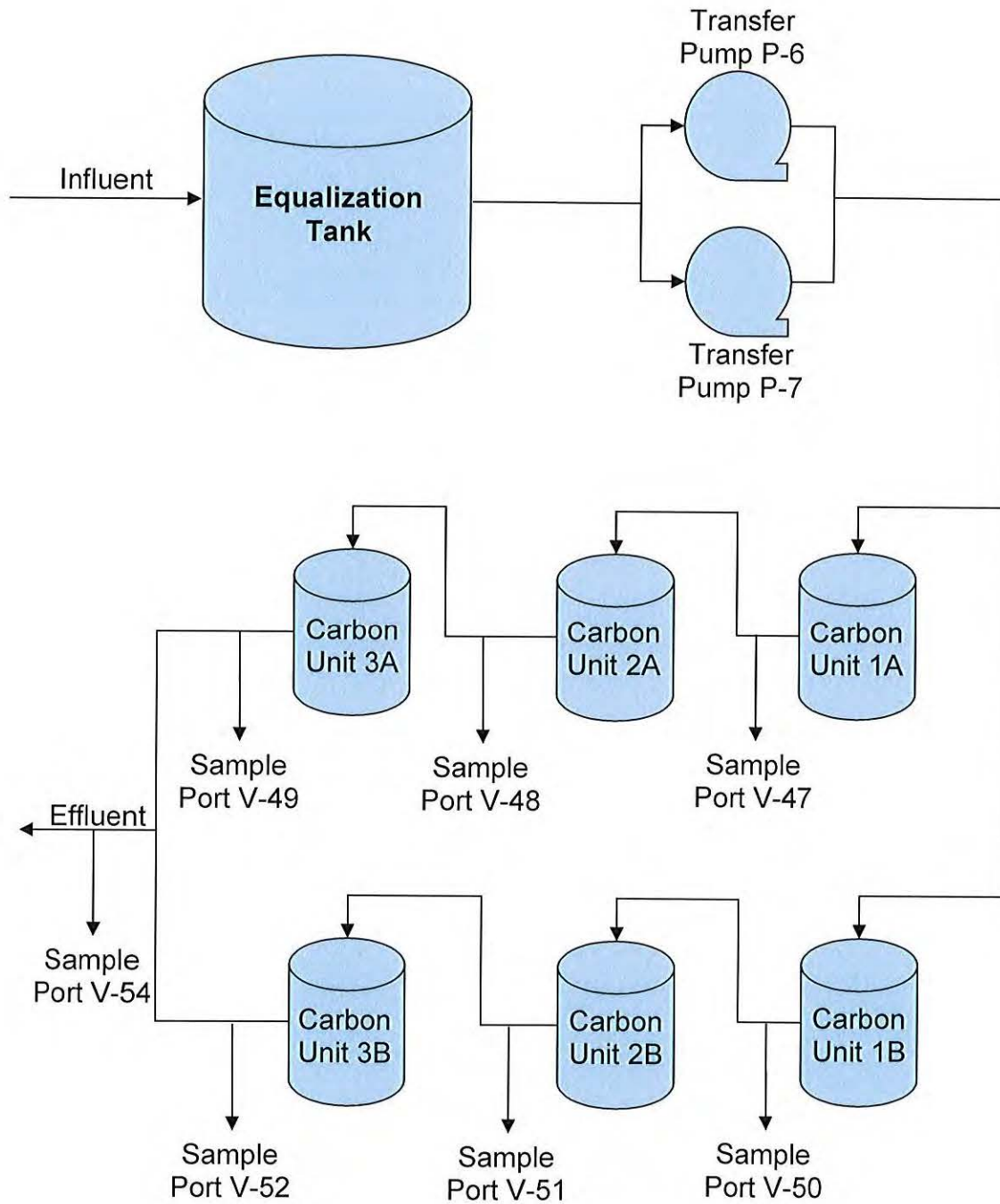
CWH

SCALE: AS SHOWN

DRAWN BY: AB

PROJECT NO: 11.990010.00

Figure 2
Treatment System Process Layout
Geigy Chemical Corporation Site



ATTACHMENT 3
OCTOBER 2017 MONITORING EVENT
SUMMARY TABLES

TABLE 2: UPPER BLACK CREEK AQUIFER GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL DATA							PERFORMANCE STANDARD
SAMPLE LOCATION	MW-11D	MW-18D	MW-20D	MW-22D	MW-23D	MW-26D	MW-30D	
DATE COLLECTED	10/03/17	10/04/17	10/03/17	10/03/17	10/03/17	10/04/17	10/03/17	
Aldrin	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	0.05
alpha-BHC	0.016 J p	0.020 J	0.049 U	0.049 U	0.022 J	0.047 U	0.11	0.05
beta-BHC	0.96	0.41	0.049 U	0.057	0.015 J p	0.047 U	2.1	0.05
delta-BHC	0.051 U	0.052 J	0.049 U	0.024 J	0.047 U	0.047 U	0.24	0.05
gamma-BHC (Lindane)	0.013 J	0.025 J	0.049 U	0.049 U	0.014 J	0.018 J	0.061	0.2
alpha-Chlordane	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.014 J p	0.052 U	NE
gamma-Chlordane	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Dieldrin	0.051 U	0.10	0.049 U	0.049 U	0.047 U	0.047 U	0.26	0.1
4,4'-DDD	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
4,4'-DDE	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
4,4'-DDT	0.018 J	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.055	NE
Endosulfan I	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endosulfan II	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endosulfan sulfate	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin aldehyde	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Endrin ketone	0.11	0.066	0.049 U	0.049 U	0.047 U	0.047 U	0.26	0.1
Heptachlor	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Heptachlor epoxide	0.051 U	0.0090 J p	0.049 U	0.049 U	0.047 U	0.012 J	0.052 U	NE
Methoxychlor	0.051 U	0.055 U	0.049 U	0.049 U	0.047 U	0.047 U	0.052 U	NE
Toxaphene	5.1 U	2.5 J	4.9 U	4.9 U	4.7 U	4.7 U	5.2 U	1
Trichloroethene	1.0 U	0.58 J	NA	NA	NA	NA	1.5	**

NOTES

Results are presented in micrograms per liter

J = Estimated value less than the reporting limit but greater than the method detection limit

** = Trichloroethene is not a COC for the Geigy site.

p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Bold = Concentration exceeds performance standard or method detection limits if no standard is established

NE = No standard established

NA = Not analyzed for this compound

U = Indicates the analyte was not detected

TABLE 3: LOWER BLACK CREEK AQUIFER GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL DATA													PERFORMANCE STANDARD
SAMPLE LOCATION	MW-22L	MW-25L	MW-27L	MW-31L	MW-32L	MW-36L	MW-37L	MW-38L	MW-39L	MW-40L	PZ-2	PZ-3	PZ-5	
DATE COLLECTED	10/03/17	10/04/17	10/04/17	10/03/17	10/04/17	10/04/17	10/04/17	10/03/17	10/04/17	10/04/17	10/04/17	10/04/17	10/04/17	
Aldrin	0.048 U	0.047 U	0.047 U	0.05 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	0.05
alpha-BHC	0.13	0.43	0.63	0.24	0.048 U	0.047 U	0.58	0.047 U	0.052 U	0.29 *	0.21	0.15	0.59	0.05
beta-BHC	0.47	0.33	1.4	0.47	0.048 U	0.047 U	0.53	0.047 U	0.052 U	0.60 *	0.13	0.064	0.18	0.05
delta-BHC	0.34	0.72	1.4	0.62	0.048 U	0.047 U	1.1	0.047 U	0.052 U	1.0 *	0.17	0.098	0.31	0.05
gamma-BHC (Lindane)	0.092	0.067	0.11	0.054	0.048 U	0.047 U	0.095	0.047 U	0.052 U	0.038 J *	0.13	0.10	0.11	0.2
alpha-Chlordane	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
gamma-Chlordane	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Dieldrin	0.063	0.013 J	0.074	0.017 J	0.048 U	0.047 U	0.020 J	0.047 U	0.052 U	0.019 J *	0.012 J	0.052 U	0.048 U	0.1
4,4'-DDD	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
4,4'-DDE	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
4,4'-DDT	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan I	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan II	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endosulfan sulfate	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin aldehyde	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Endrin ketone	0.053	0.021 J	0.11	0.045 J	0.048 U	0.047 U	0.036 J	0.047 U	0.052 U	0.052 *	0.012 J	0.052 U	0.017 J	0.1
Heptachlor	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Heptachlor epoxide	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Methoxychlor	0.048 U	0.047 U	0.047 U	0.050 U	0.048 U	0.047 U	0.048 U	0.047 U	0.052 U	0.046 U *	0.055 U	0.052 U	0.048 U	NE
Toxaphene	4.8 U	4.7 U	4.7 U	5.0 U	4.8 U	4.7 U	4.8 U	4.7 U	5.2 U	4.6 U	5.5 U	5.2 U	4.8 U	1

NOTES

Results are presented in micrograms per liter

J = Estimated value less than the reporting limit but greater than the method detection limit

* = LCS and LCSD exceeds the control limits

NE = No standard established

U = Indicates the analyte was not detected

Bold = Concentration exceeds performance standard or method detection limits if no standard is established

TABLE 4: INFLUENT AND EFFLUENT MONITORING SUMMARY

PARAMETER	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		PERFORMANCE STANDARD
SAMPLE LOCATION	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	
DATE COLLECTED	03/27/17	03/27/17	04/25/17	04/25/17	7/12/2017	7/12/2017	10/03/17	10/03/17	
Aldrin	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	0.05
alpha-BHC	0.044 J	0.049 U	0.047 J	0.050 U	0.049	0.048 U	0.030 J	0.048 U	0.05
beta-BHC	2.8	0.049 U	2.1	0.017 J	2.6	0.053	2.0	0.028 J	0.05
delta-BHC	0.44	0.049 U	0.35	0.050 U	0.38	0.048 U	0.34	0.048 U	0.05
gamma-BHC (Lindane)	0.04 J	0.049 U	0.046 J	0.050 U	0.039 J	0.048 U	0.030 J	0.048 U	0.2
alpha-Chlordane	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
gamma-Chlordane	0.049 U	0.049 U	0.054	0.050 U	0.071	0.048 U	0.047 U	0.048 U	NE
Dieldrin	0.46	0.049 U	0.38	0.05 U	0.44	0.012 J	0.33	0.048 U	0.1
4,4'-DDD	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
4,4'-DDE	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
4,4'-DDT	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endosulfan I	0.052	0.049 U	0.038 Jp	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endosulfan II	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endosulfan sulfate	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endrin	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endrin aldehyde	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Endrin ketone	0.34	0.049 U	0.26	0.05 U	0.35	0.013 J	0.22	0.048 U	0.1
Heptachlor	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Heptachlor epoxide	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Methoxychlor	0.049 U	0.049 U	0.049 U	0.050 U	0.049 U	0.048 U	0.047 U	0.048 U	NE
Toxaphene	4.1 Jp	4.9 U	6.3	5.0 U	5.0 p	4.8 U	4.1 Jp	4.8 U	1
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**

NOTES

Results are presented in micrograms per liter

J = Estimated value less than the reporting limit but greater than the method detection limit

** = Trichloroethene is not a COC for the Geigy site.

p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

NE = No standard established

U = Indicates the analyte was not detected

Bold = Concentration exceeds performance standard or method detection limits if no standard is established

TABLE 5: ON SITE GROUNDWATER MONITORING SUMMARY

PARAMETER	ANALYTICAL DATA												PERFORMANCE STANDARD
SAMPLE LOCATION	MW-4S	MW-5S	MW-6S	MW-10S	MW-11D	MW-16S	MW-16D	MW-17S	MW-17D	MW-18S	MW-18D	MW-30D	
DATE COLLECTED	10/03/17	10/03/17	10/04/17	10/03/17	10/03/17	10/03/17	10/04/17	10/03/17	10/04/17	10/03/17	10/04/17	10/03/17	
Aldrin	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	0.05
alpha-BHC	0.052 U	0.023 J	0.028 J	0.051 U	0.016 J p	0.048 U	NA	0.047 U	NA	0.052 U	0.020 J	0.11	0.05
beta-BHC	0.052 U	2.8	2.4	0.078	0.96	0.048 U	NA	0.047 U	NA	0.052 U	0.41	2.1	0.05
delta-BHC	0.05 U	0.14	0.16	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.052 J	0.24	0.05
gamma-BHC (Lindane)	0.052 U	0.022 J p	0.047 J	0.051 U	0.013 J	0.048 U	NA	0.047 U	NA	0.052 U	0.025 J	0.061	0.2
alpha-Chlordane	0.15 p	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
gamma-Chlordane	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Dieldrin	0.052 U	0.75	0.25	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.10	0.26	0.1
4,4'-DDD	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
4,4'-DDE	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
4,4'-DDT	0.052 U	0.053 U	0.049 U	0.051 U	0.018 J	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.055	NE
Endosulfan I	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endosulfan II	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endosulfan sulfate	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin aldehyde	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Endrin ketone	0.052 U	0.50	0.2	0.021 J	0.11	0.048 U	NA	0.047 U	NA	0.018 J	0.066	0.26	0.1
Heptachlor	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Heptachlor epoxide	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.009 J p	0.052 U	NE
Methoxychlor	0.052 U	0.053 U	0.049 U	0.051 U	0.051 U	0.048 U	NA	0.047 U	NA	0.052 U	0.055 U	0.052 U	NE
Toxaphene	5.2 U	6.9 p	7.5	5.1 U	5.1 U	4.8 U	NA	4.7 U	NA	5.2 U	2.5 J	5.2 U	1
Trichloroethene	NA	NA	NA	1.0 U	1.0 U	1.0 U	58	1.0 U	170	1.0 U	0.58 J	1.5	**

NOTES

- Results are presented in micrograms per liter
- J = Estimated value less than the reporting limit but greater than the method detection limit
- ** = Trichloroethene is not a COC for the Geigy site.
- p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
- NE = No standard established
- NA = Not analyzed for this compound
- U = Indicates the analyte was not detected
- Bold** = Concentration exceeds performance standard or method detection limits if no standard is established

TABLE 6: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SUMMARY

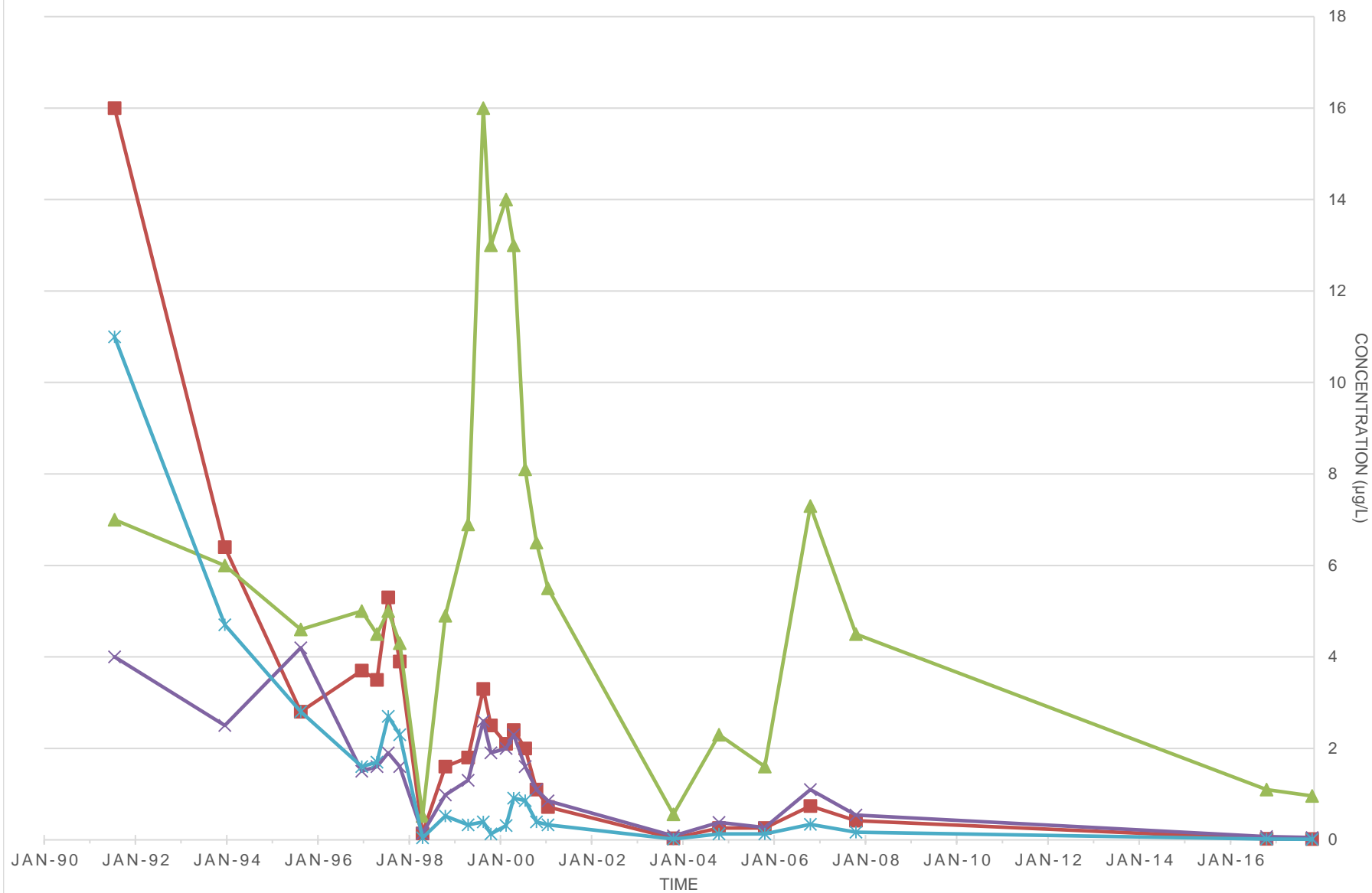
LOCATION													
DATE	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17	12/14/17
PW-1S	5,888,097	5,967,926	6,029,621	6,069,475	6,125,909	6,185,401	6,215,571	6,248,721	6,328,093	6,354,724	6,359,118	6,361,469	6,390,590
PW-1D	65,284,971	65,549,949	65,773,741	65,915,024	66,209,340	66,565,013	66,734,432	66,884,895	67,256,669	67,386,085	67,400,767	67,409,812	67,589,681
PW-2S	1,661,379	1,681,492	1,698,724	1,711,757	1,727,685	1,747,417	1,756,089	1,765,038	1,784,731	1,791,154	1,792,190	1,792,604	1,799,506
PW-2D	18,904,723	18,988,520	19,059,273	19,104,877	19,198,899	19,313,630	19,368,791	19,422,536	19,548,758	19,619,147	19,625,755	19,628,823	19,669,432
PW-3S	2,129,564	2,156,807	2,175,767	2,187,794	2,205,456	2,226,749	2,239,080	2,251,515	2,280,771	2,290,274	2,291,751	2,292,199	2,299,261
PW-3D	16,219,565	16,291,635	16,356,209	16,396,555	16,484,403	16,596,817	16,651,357	16,698,857	16,813,776	16,853,267	16,857,722	16,860,478	16,895,429
PW-4S	22,920,173	23,005,796	23,077,439	23,122,634	23,220,600	23,338,296	23,397,201	23,451,274	23,590,022	23,637,279	23,642,768	23,646,106	23,691,234
Extraction Wells	133,008,472	133,642,125	134,170,774	134,508,116	135,172,292	135,973,323	136,362,521	136,722,836	137,602,820	137,931,930	137,970,071	137,991,491	138,335,133
Treatment Building	141,398,952	142,058,166	142,611,730	142,978,839	143,670,232	144,516,500	144,929,612	145,311,033	146,248,462	146,579,678	146,619,542	146,644,328	146,949,144
Difference	8,390,480	8,416,041	8,440,956	8,470,723	8,497,940	8,543,177	8,567,091	8,588,197	8,645,642	8,647,748	8,649,471	8,652,837	8,614,011
% Difference	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%
LOCATION													
TIME PERIOD	11/17/16	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17
	12/21/16	01/27/17	02/28/17	03/27/17	04/25/17	05/30/17	06/26/17	07/12/17	08/23/17	09/28/17	10/03/17	11/27/17	12/14/17
DAYS IN PERIOD	34	37	32	27	29	35	27	16	42	36	5	55	17
TOTAL DAYS OF OPERATION	6,713	6,750	6,782	6,809	6,838	6,873	6,900	6,916	6,958	6,994	6,999	7,054	7,071
Average Daily Volume (gallons)													
PW-1S	2537	2,158	1,928	1,476	1,946	1,700	1,117	2,072	1,890	740	879	43	1,713
PW-1D	8,540	7,162	6,994	5,233	10,149	10,162	6,275	9,404	8,852	3,595	2,936	164	10,581
PW-2S	634	544	539	483	549	564	321	559	469	178	207	8	406
PW-2D	2,183	2,265	2,211	1,689	3,242	3,278	2,043	3,359	3,005	1,955	1,322	56	2,389
PW-3S	953	736	593	445	609	608	457	777	697	264	295	8	415
PW-3D	1,870	1,948	2,018	1,494	3,029	3,212	2,020	2,969	2,736	1,097	891	50	2,056
PW-4S	2,244	2,314	2,239	1,674	3,378	3,363	2,182	3,380	3,304	1,313	1,098	61	2,655
Extraction Wells	18,961	17,126	16,520	12,494	22,903	22,887	14,415	22,520	20,952	9,142	7,628	389	20,214
Average Flow Rate (gallons per minute)													
PW-1S	1.76	1.50	1.34	1.03	1.35	1.18	0.78	1.44	1.31	0.51	0.61	0.03	1.19
PW-1D	5.93	4.97	4.86	3.63	7.05	7.06	4.36	6.53	6.15	2.50	2.04	0.11	7.35
PW-2S	0.44	0.38	0.37	0.34	0.38	0.39	0.22	0.39	0.33	0.12	0.14	0.01	0.28
PW-2D	1.52	1.57	1.54	1.17	2.25	2.28	1.42	2.33	2.09	1.36	0.92	0.04	1.66
PW-3S	0.66	0.51	0.41	0.31	0.42	0.42	0.32	0.54	0.48	0.18	0.21	0.01	0.29
PW-3D	1.30	1.35	1.40	1.04	2.10	2.23	1.40	2.06	1.90	0.76	0.62	0.03	1.43
PW-4S	1.56	1.61	1.55	1.16	2.35	2.34	1.52	2.35	2.29	0.91	0.76	0.04	1.84
Extraction Wells	13.17	11.89	11.47	8.68	15.90	15.89	10.01	15.64	14.55	6.35	5.30	0.27	14.04
SYSTEM TO DATE	14.63	14.62	14.60	14.58	14.59	14.60	14.59	14.59	14.60	14.55	14.55	14.44	14.43

ATTACHMENT 4

BHC ISOMER TREND GRAPHS AND FIGURES

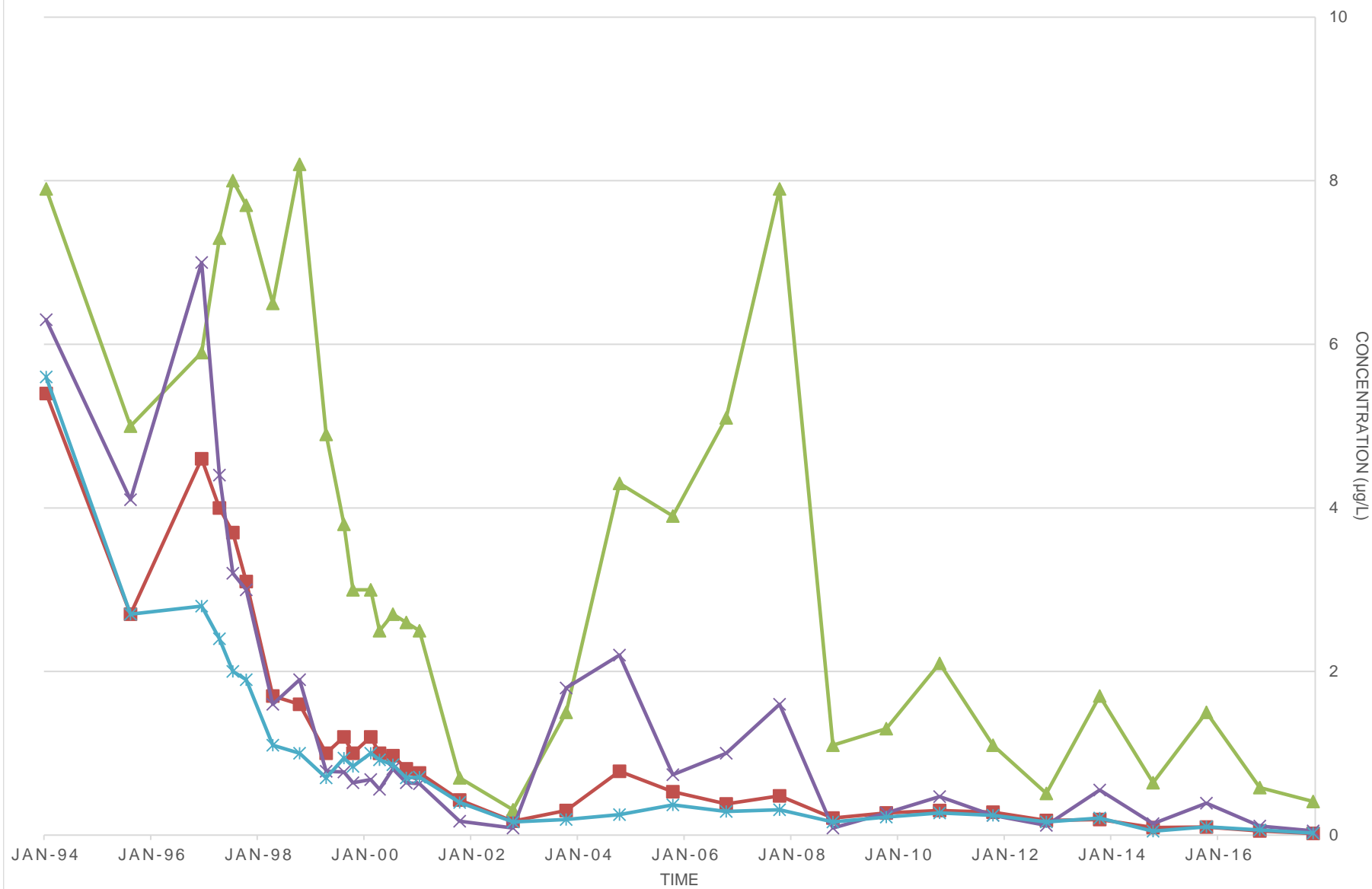
MW-11D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



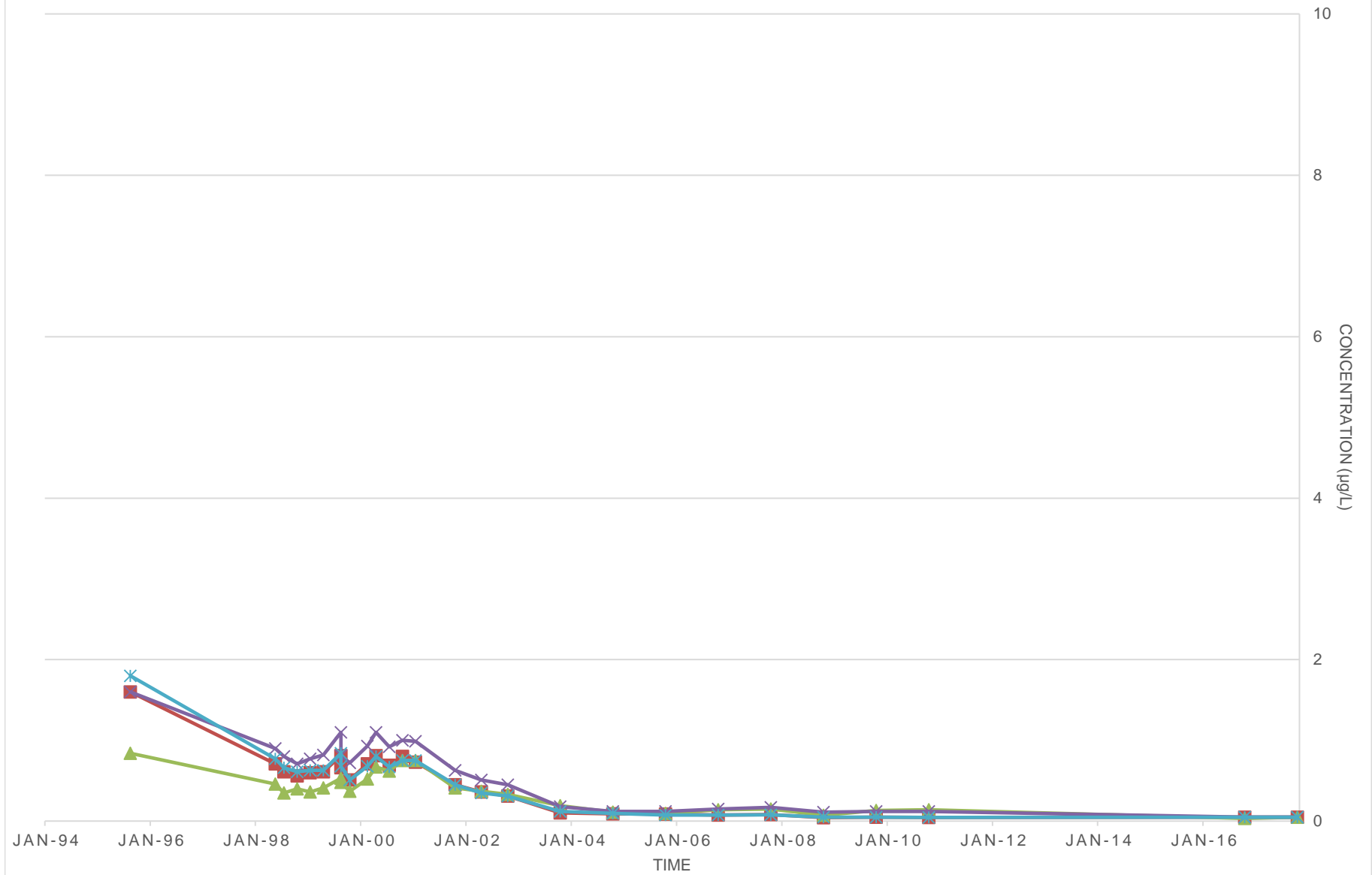
MW-18D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



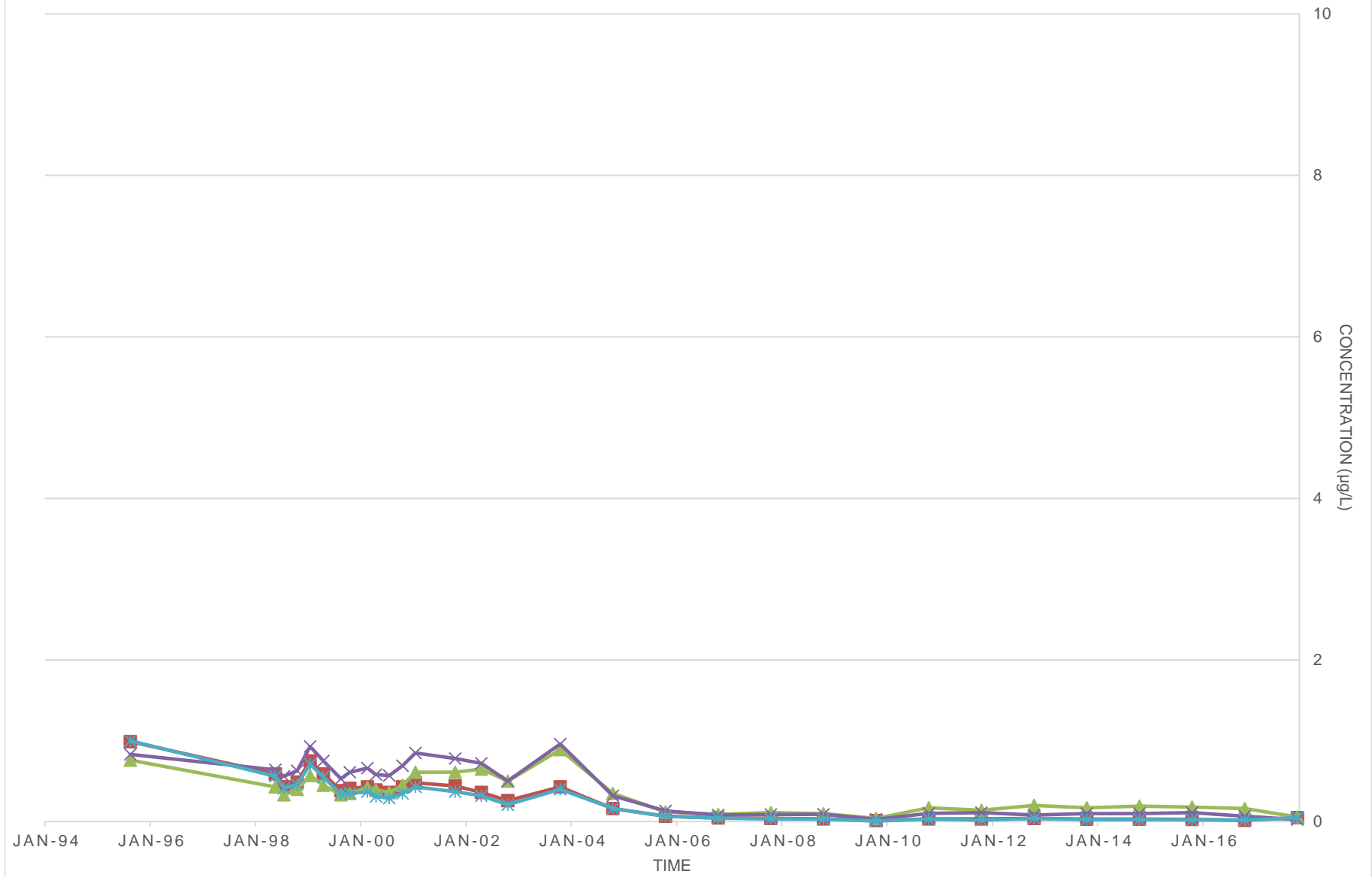
MW-20D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



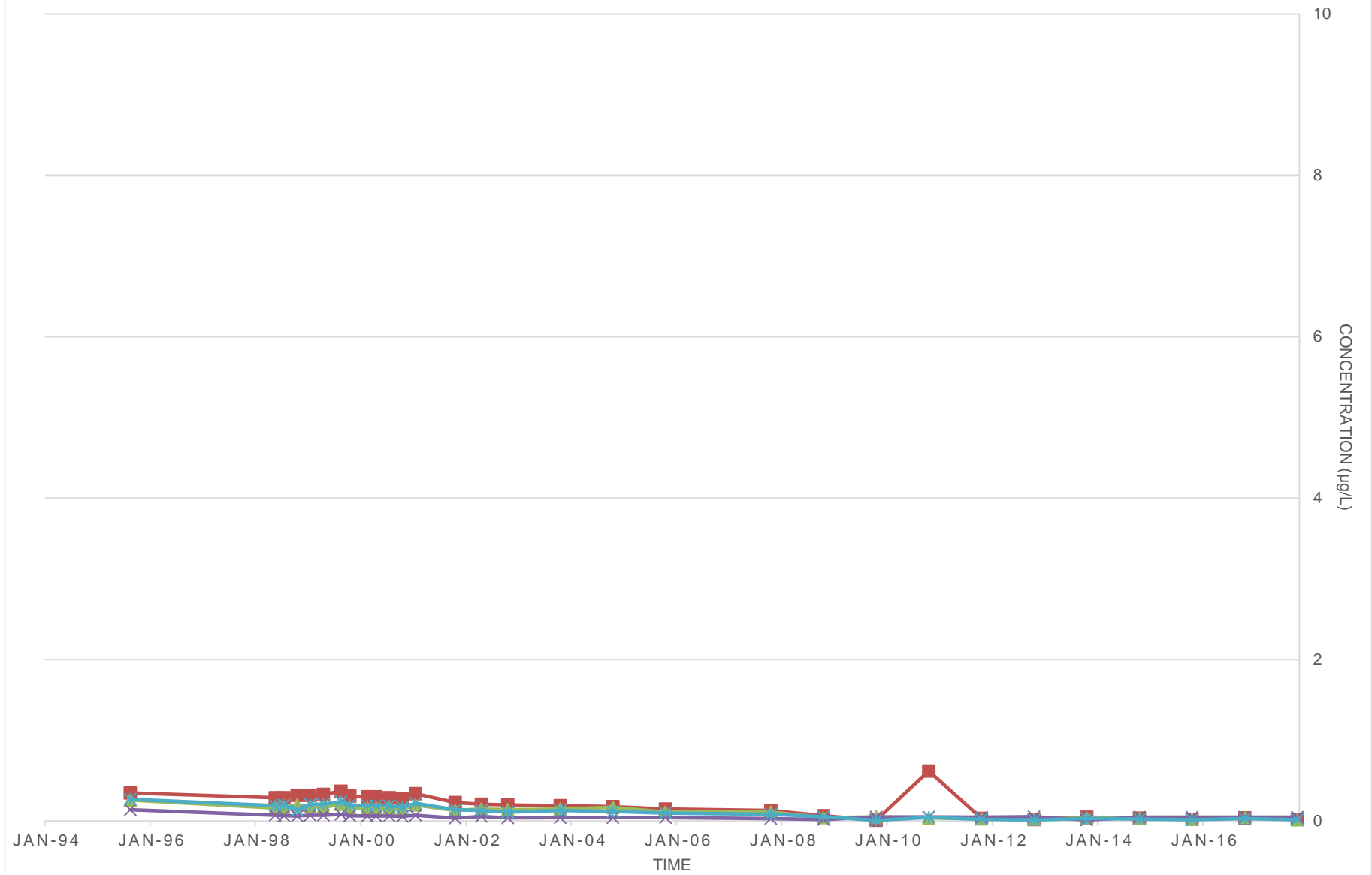
MW-22D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



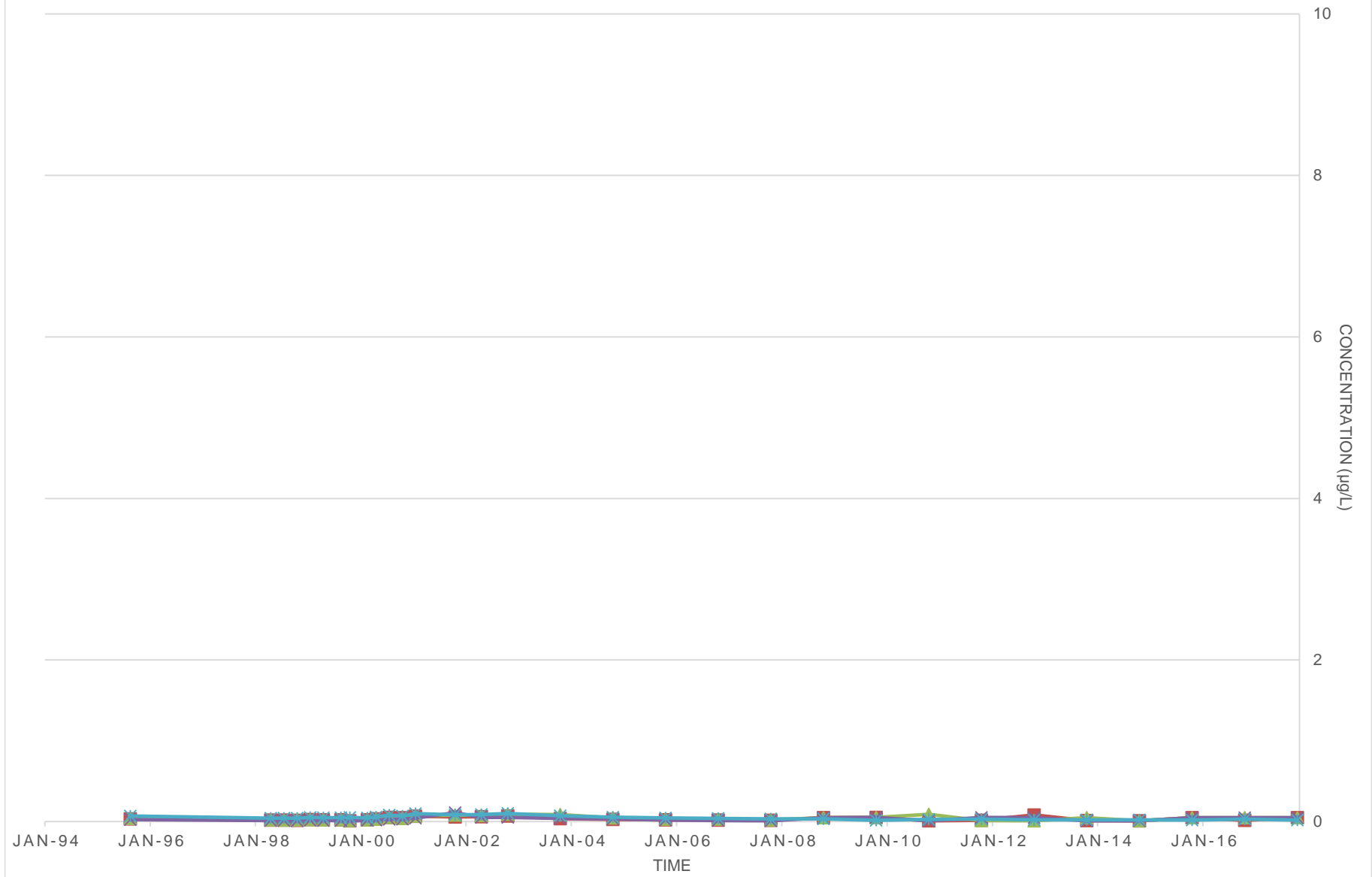
MW-23D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



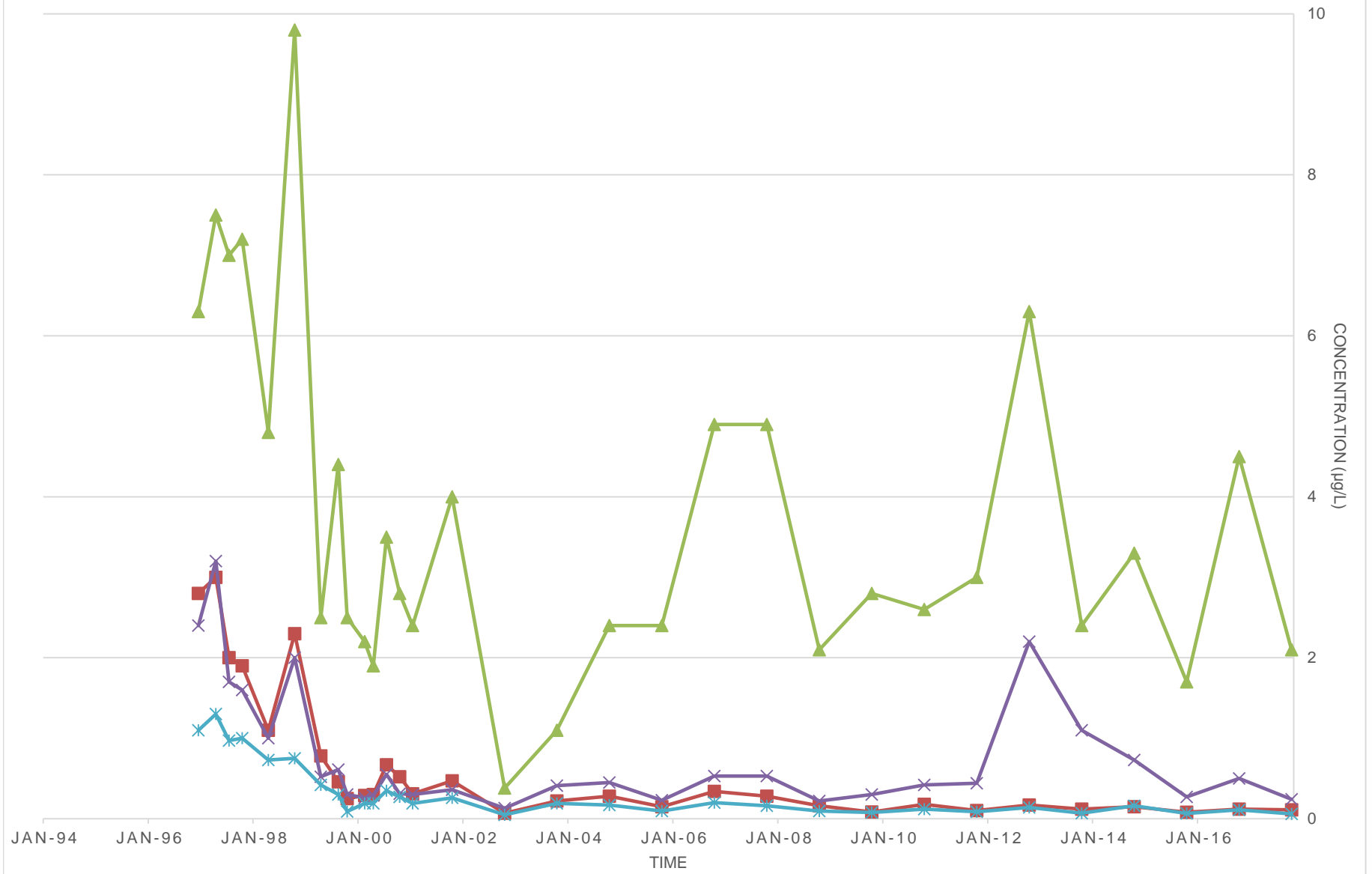
MW-26D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



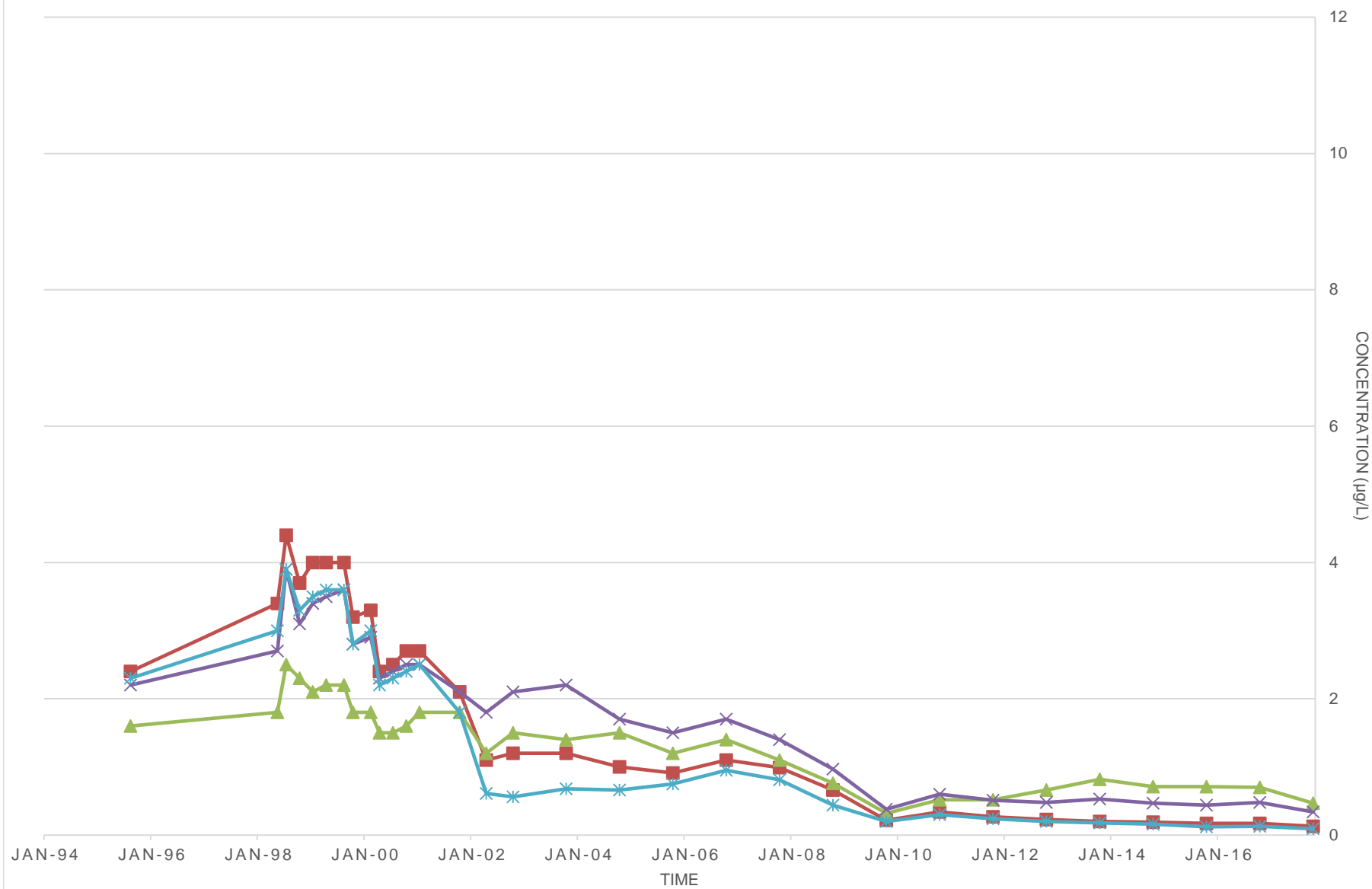
MW-30D

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



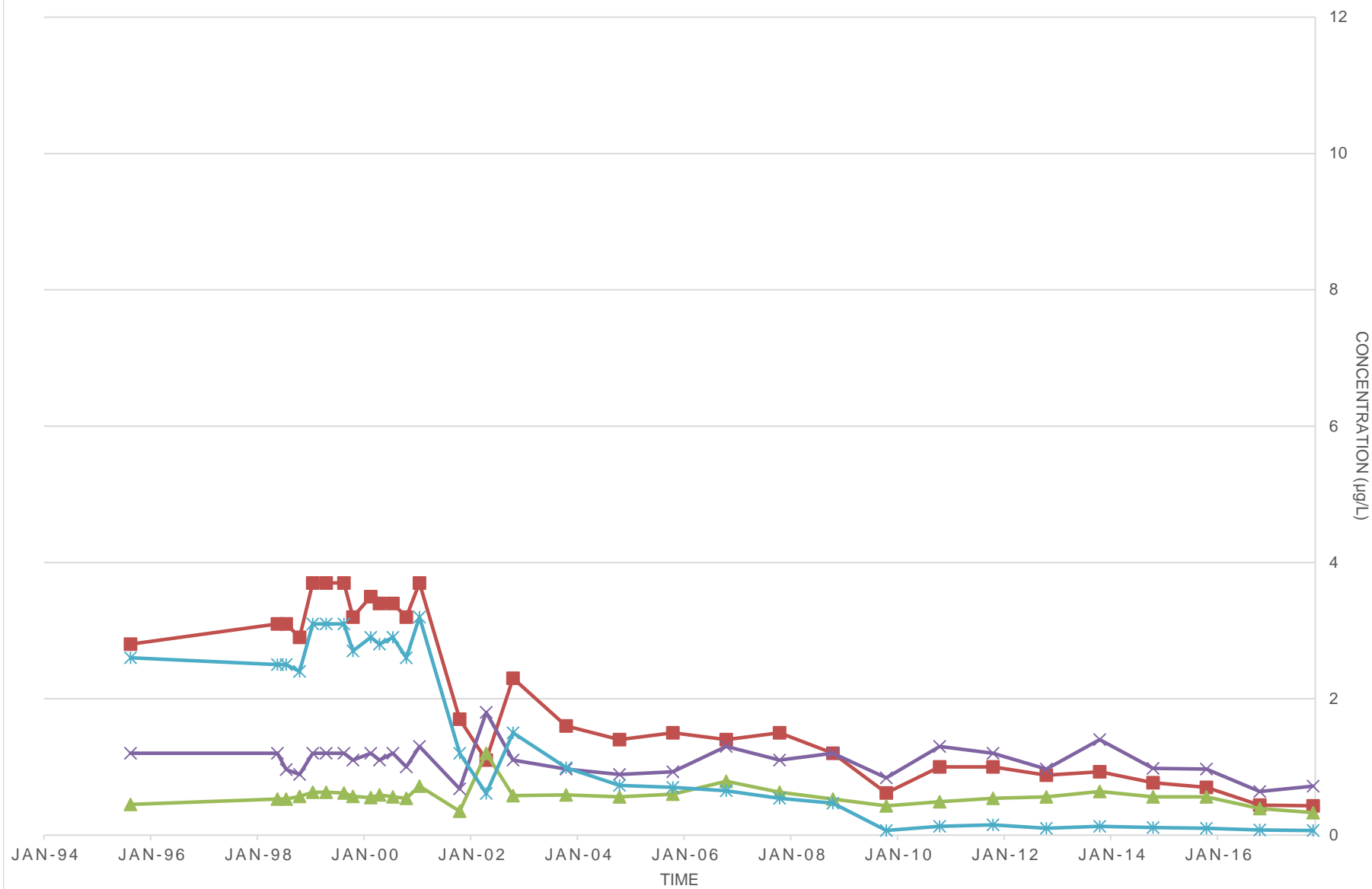
MW-22L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)

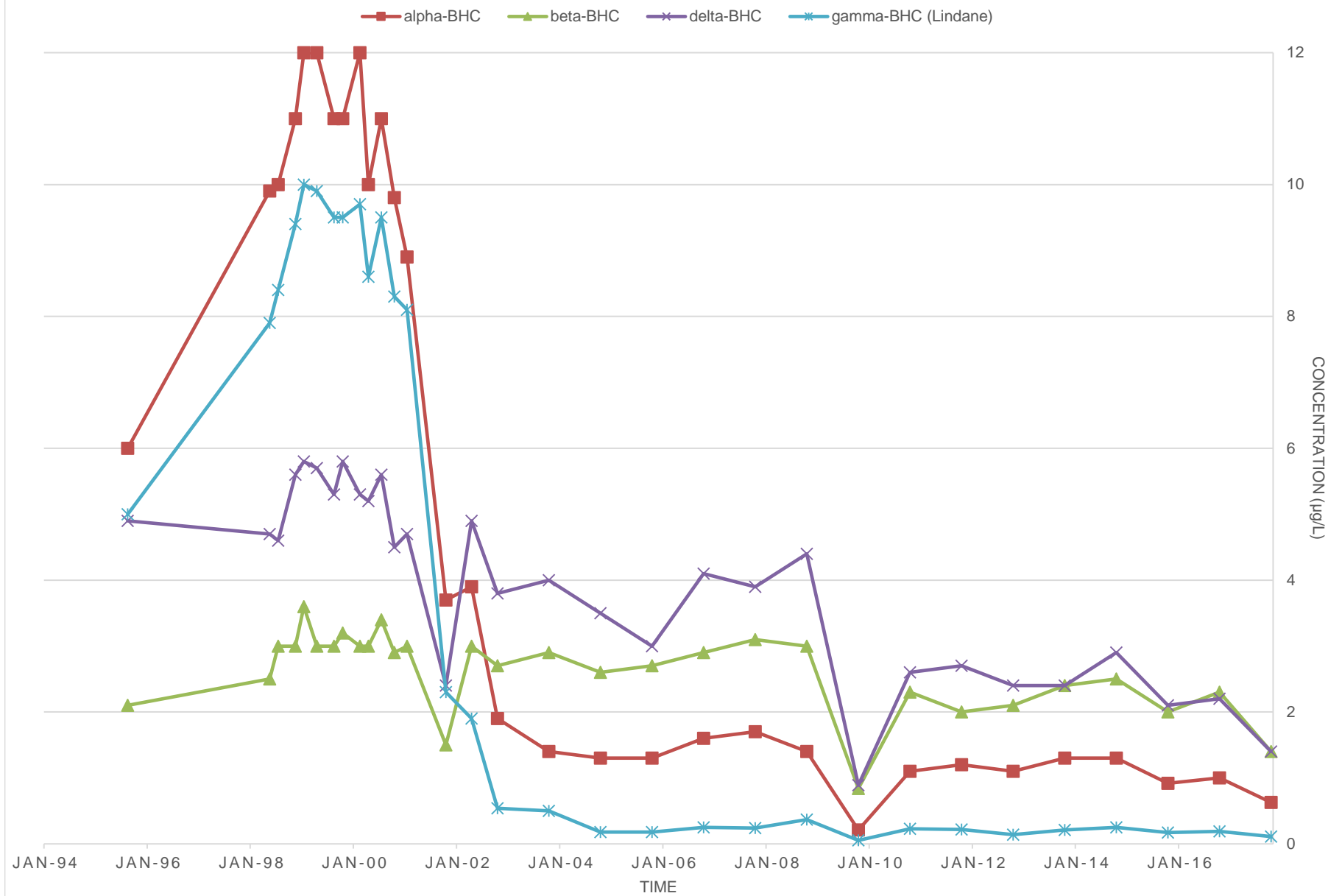


MW-25L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)

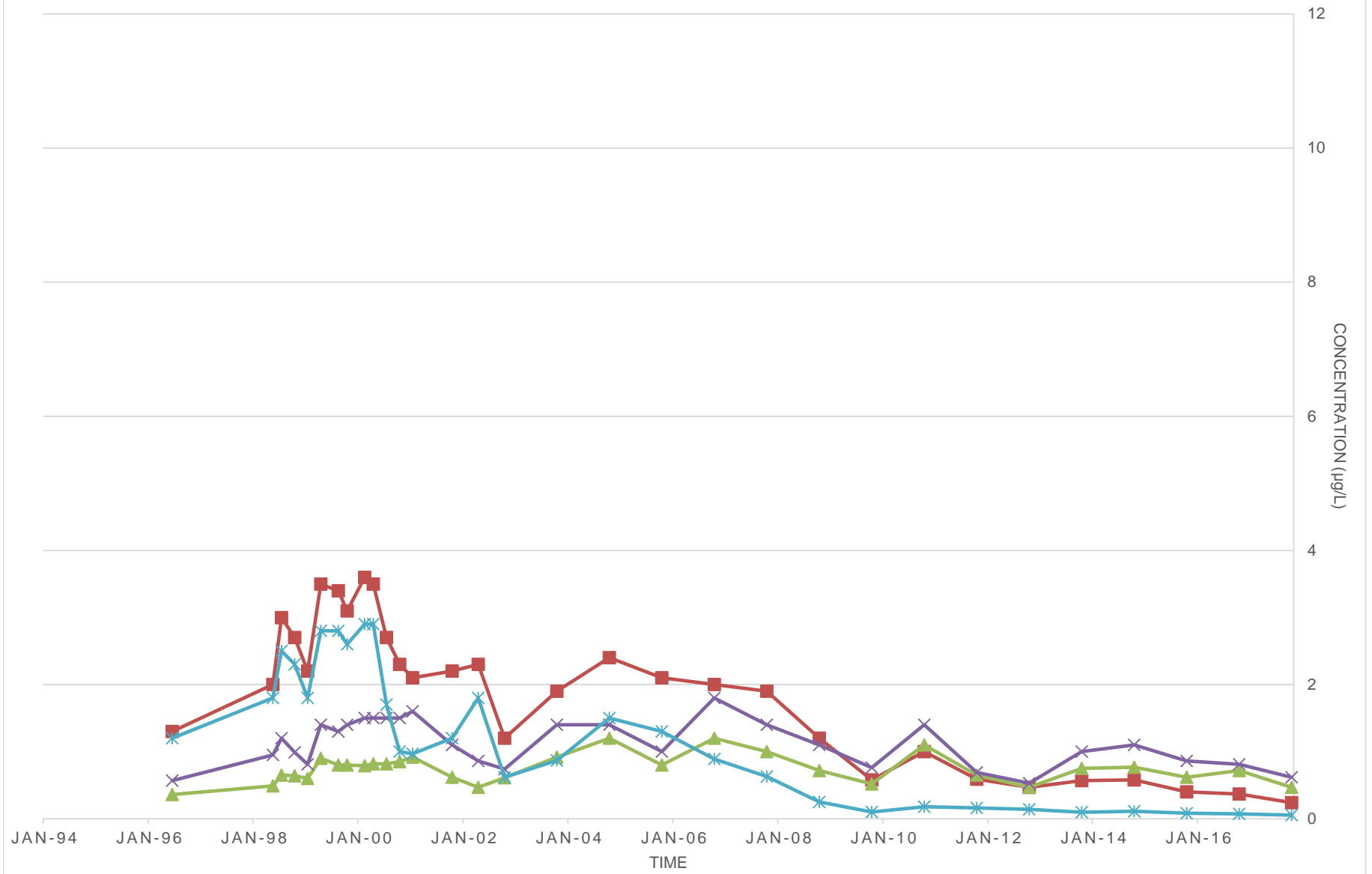


MW-27L



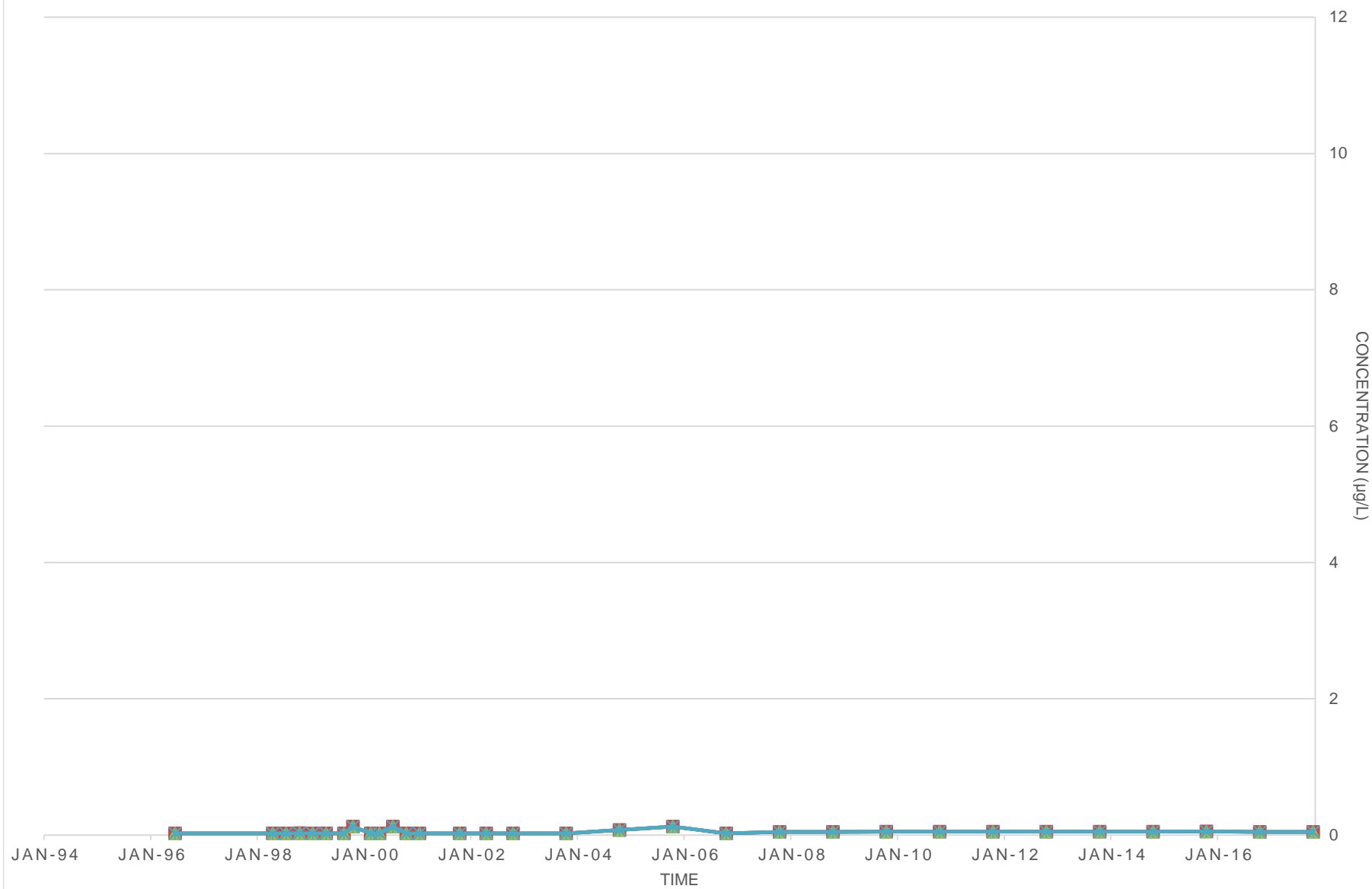
MW-31 L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



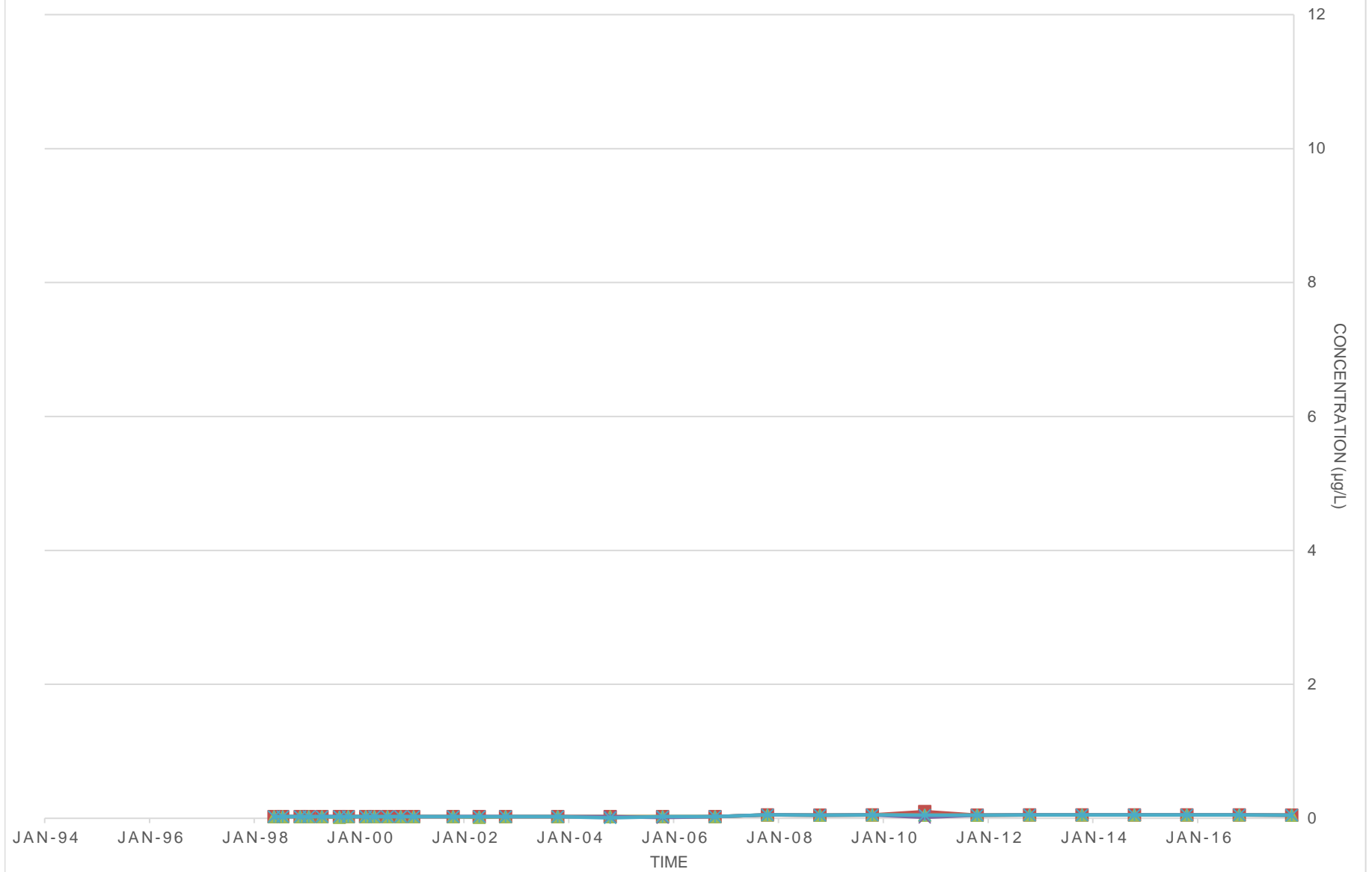
MW-32L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



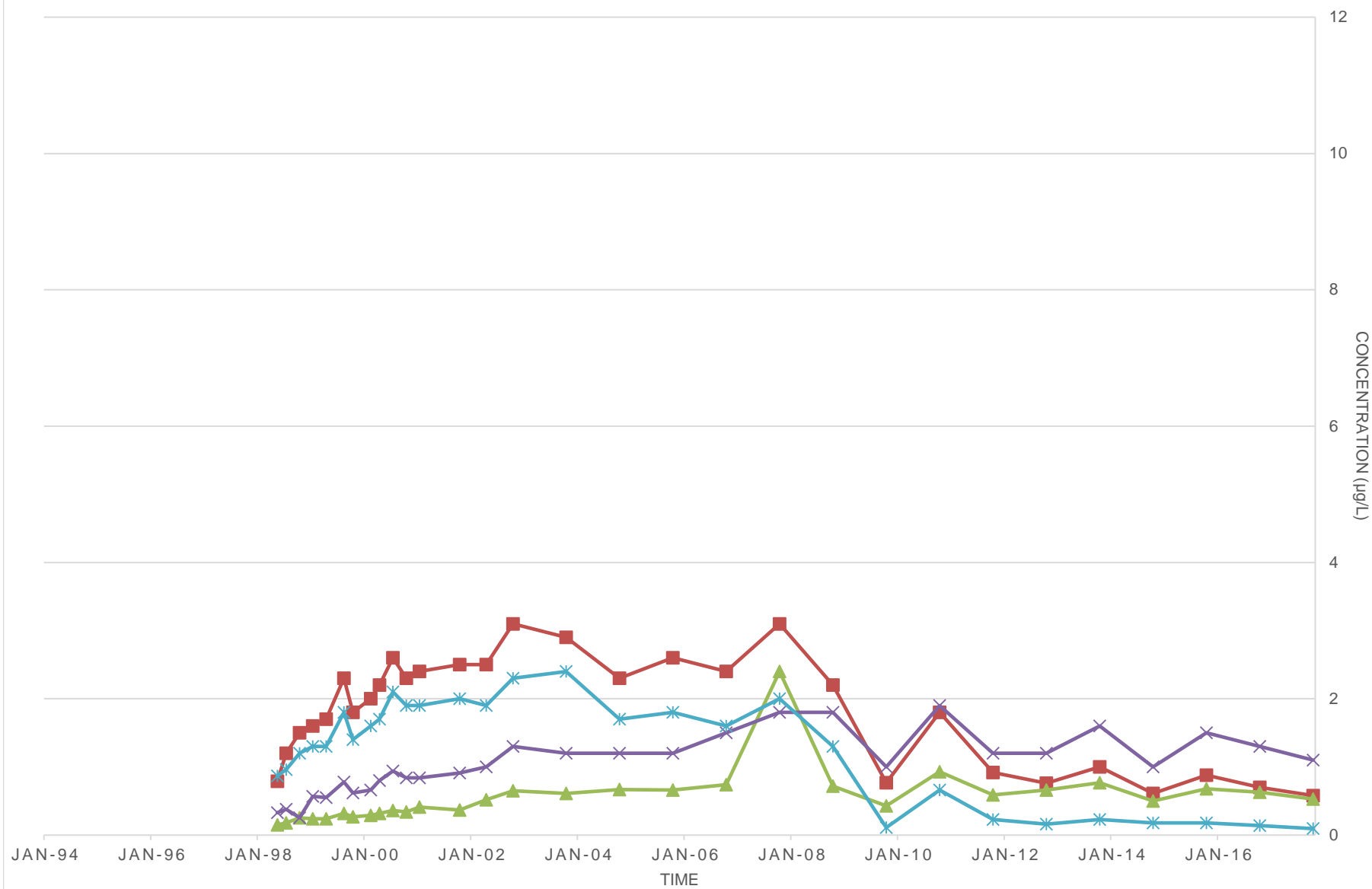
MW-36L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



MW-37L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



MW-38L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



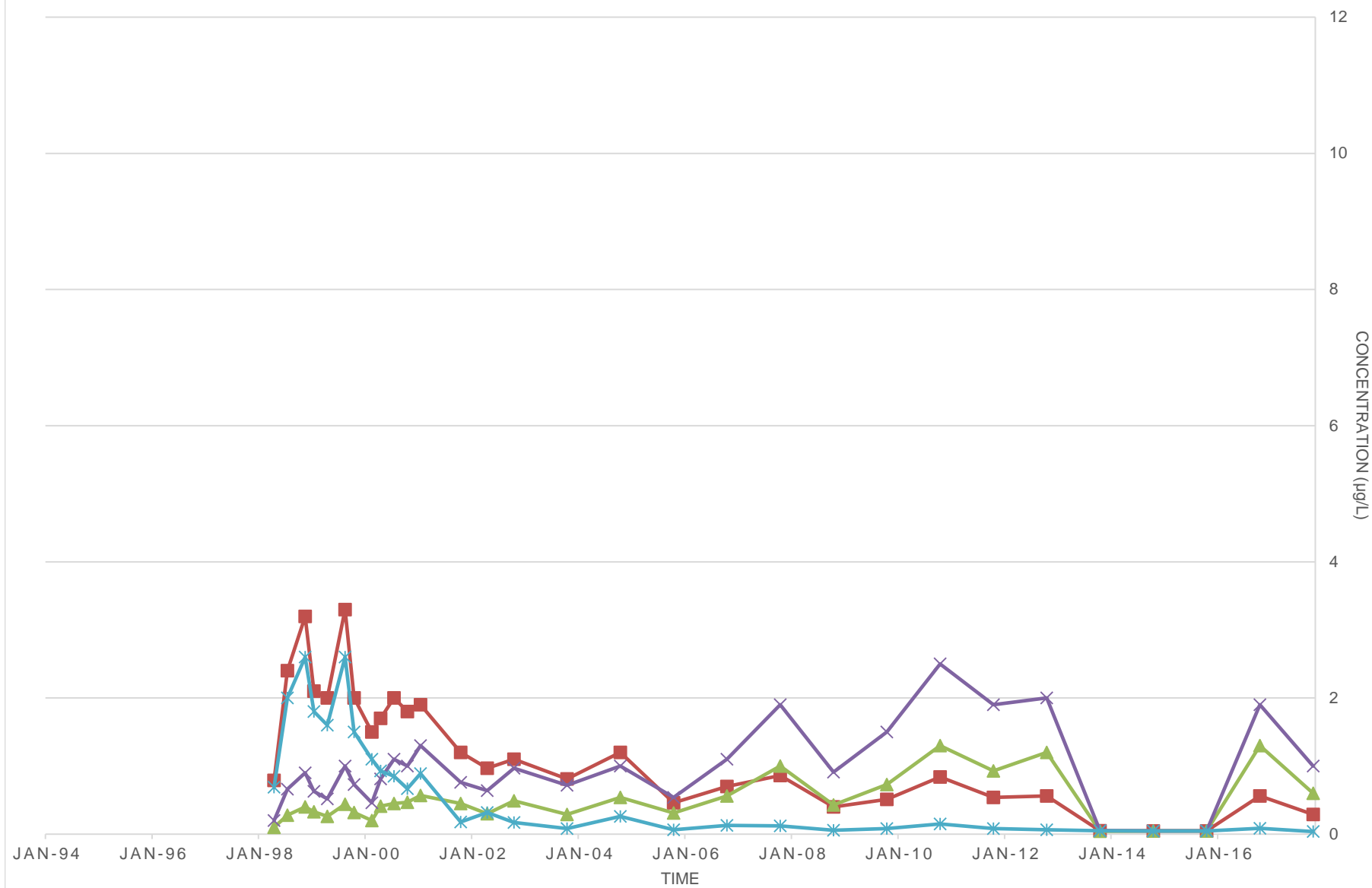
MW-39L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



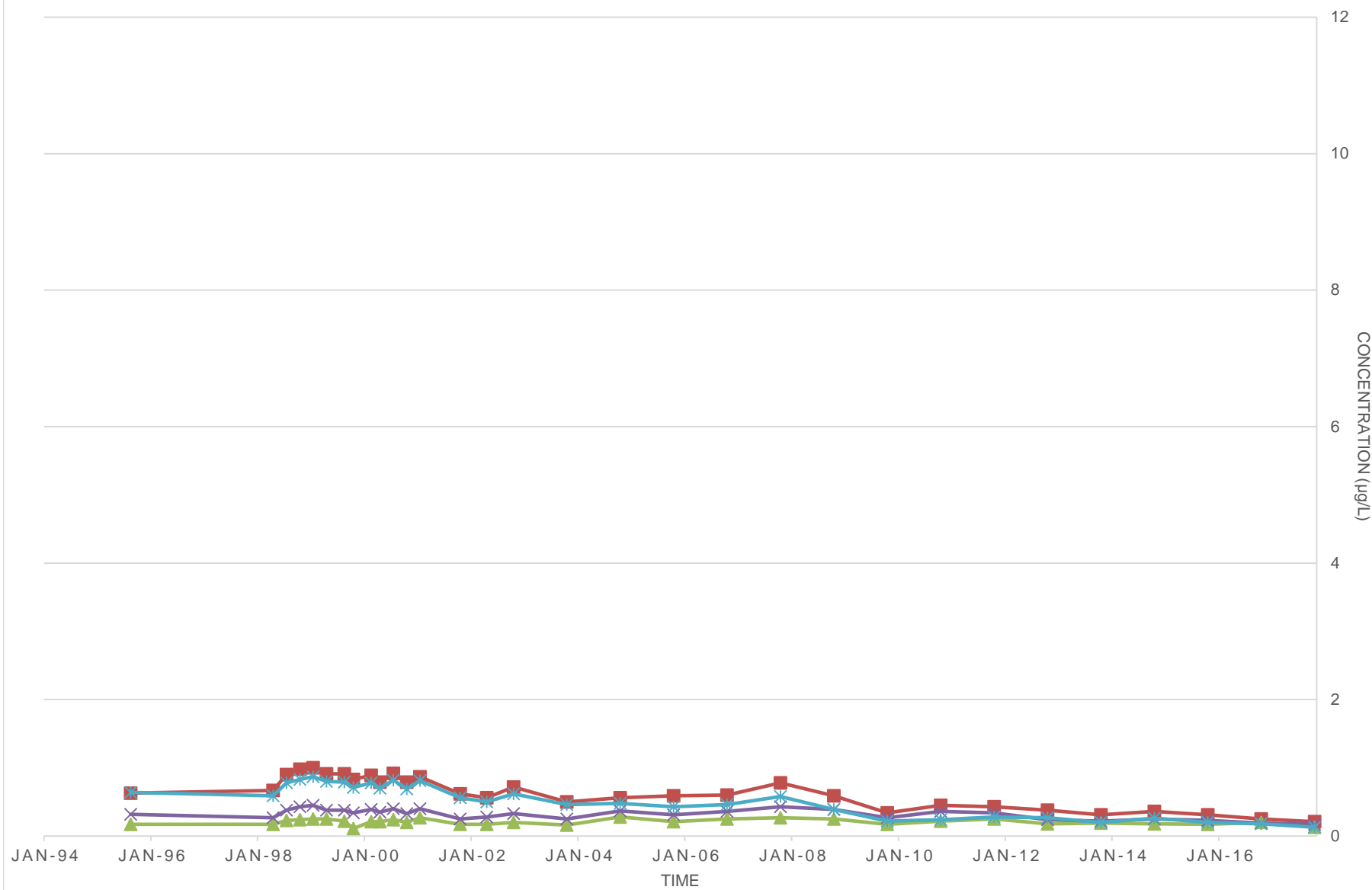
MW-40L

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



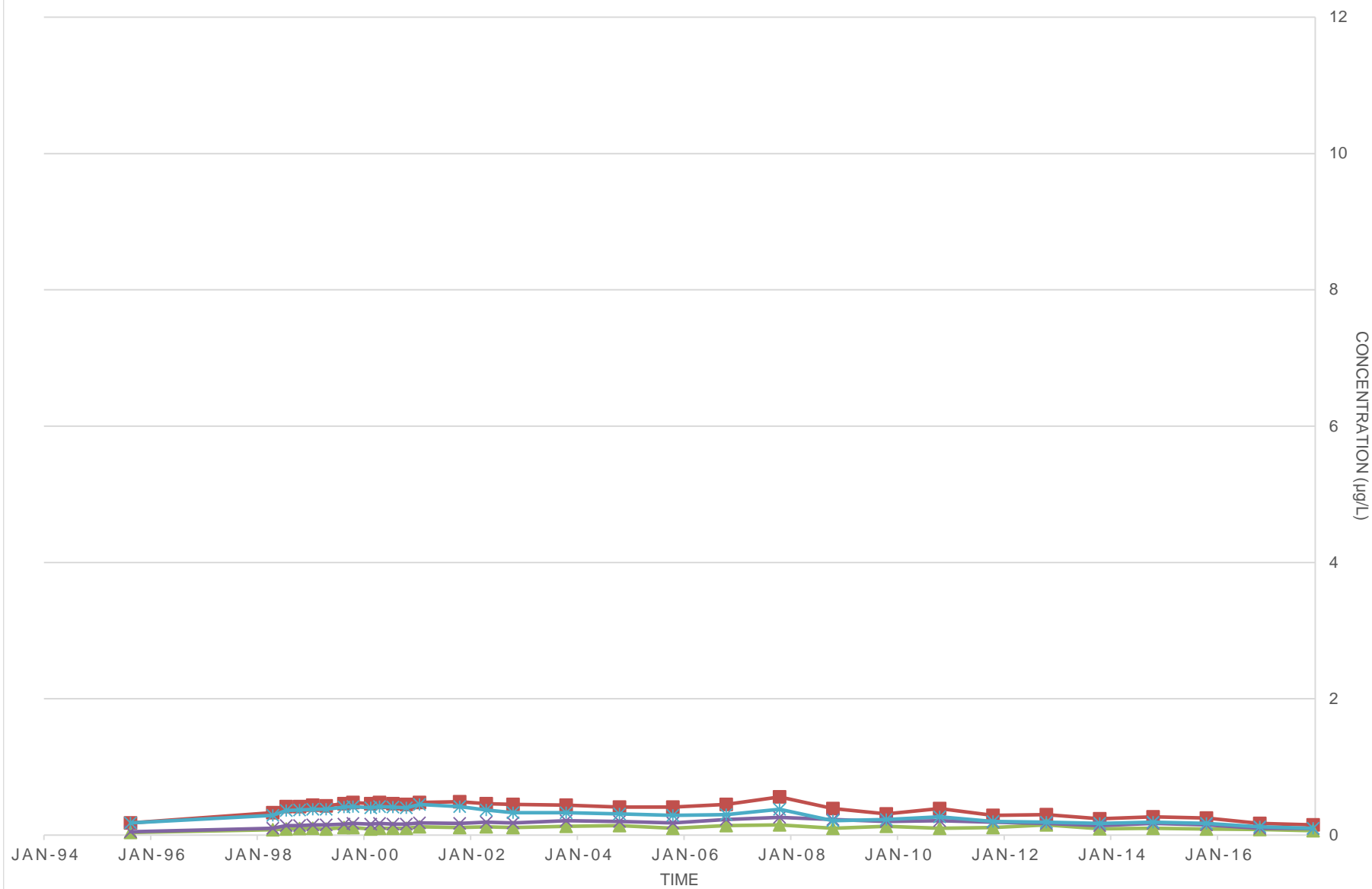
PZ-2

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



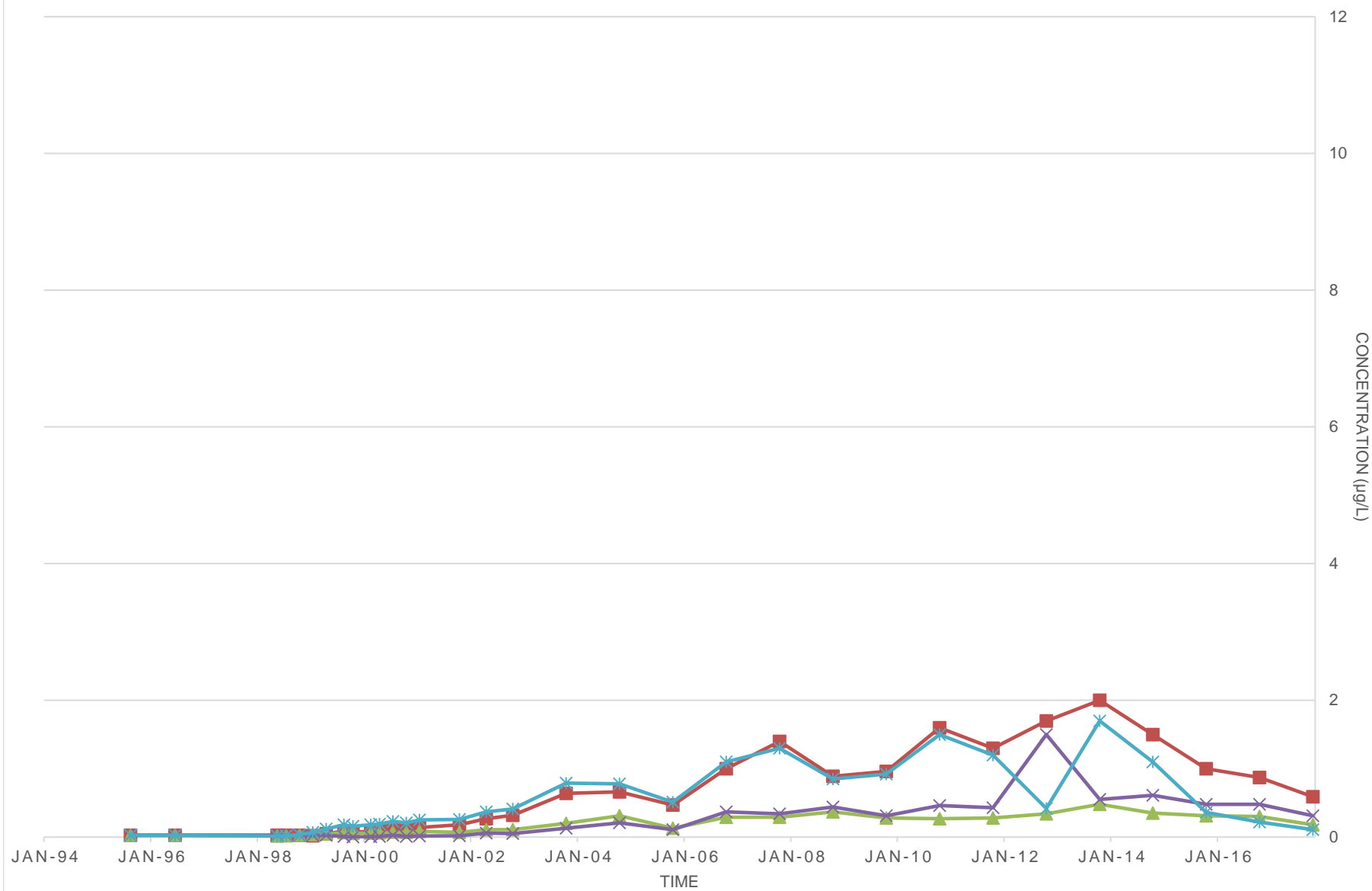
PZ-3

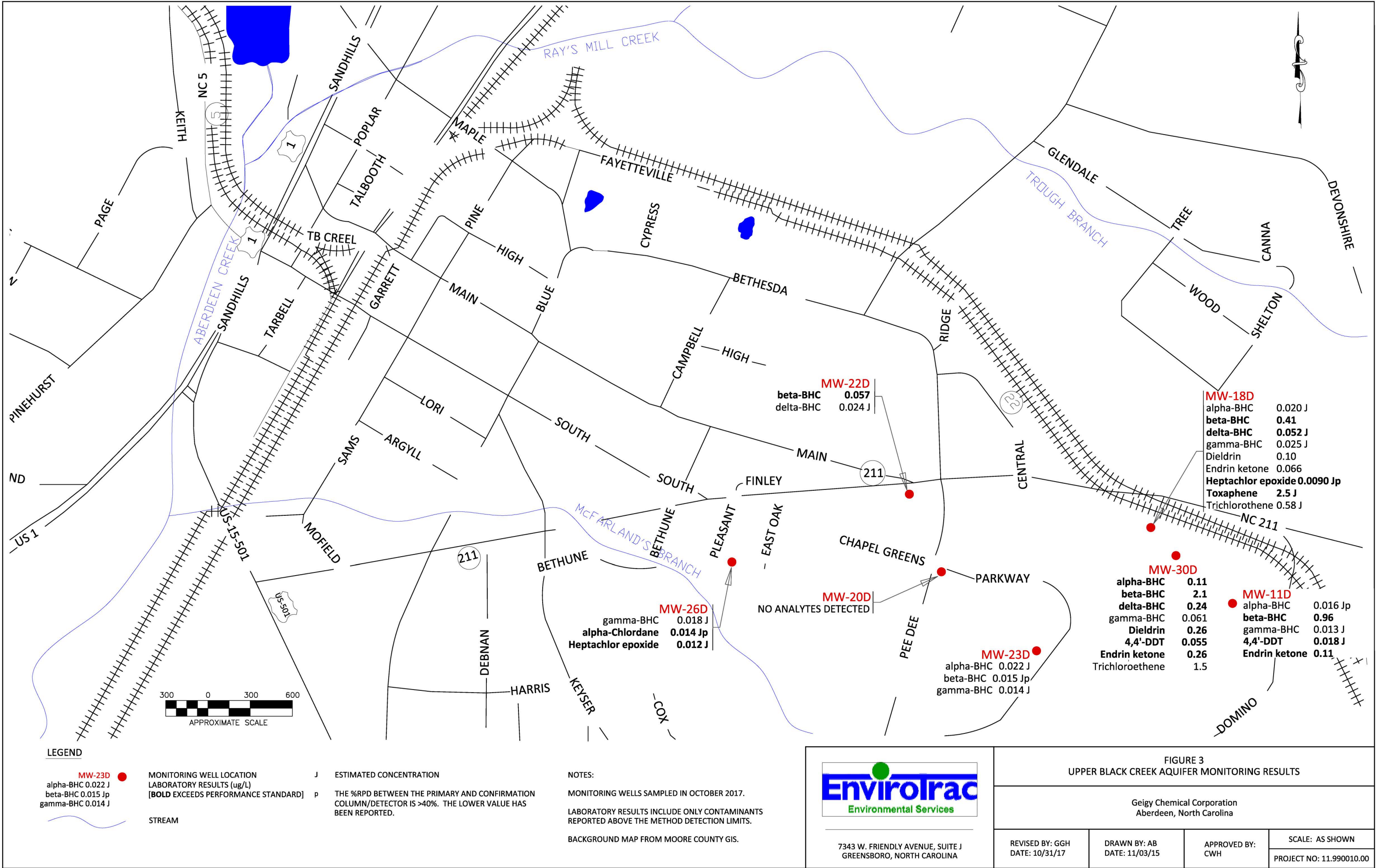
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)



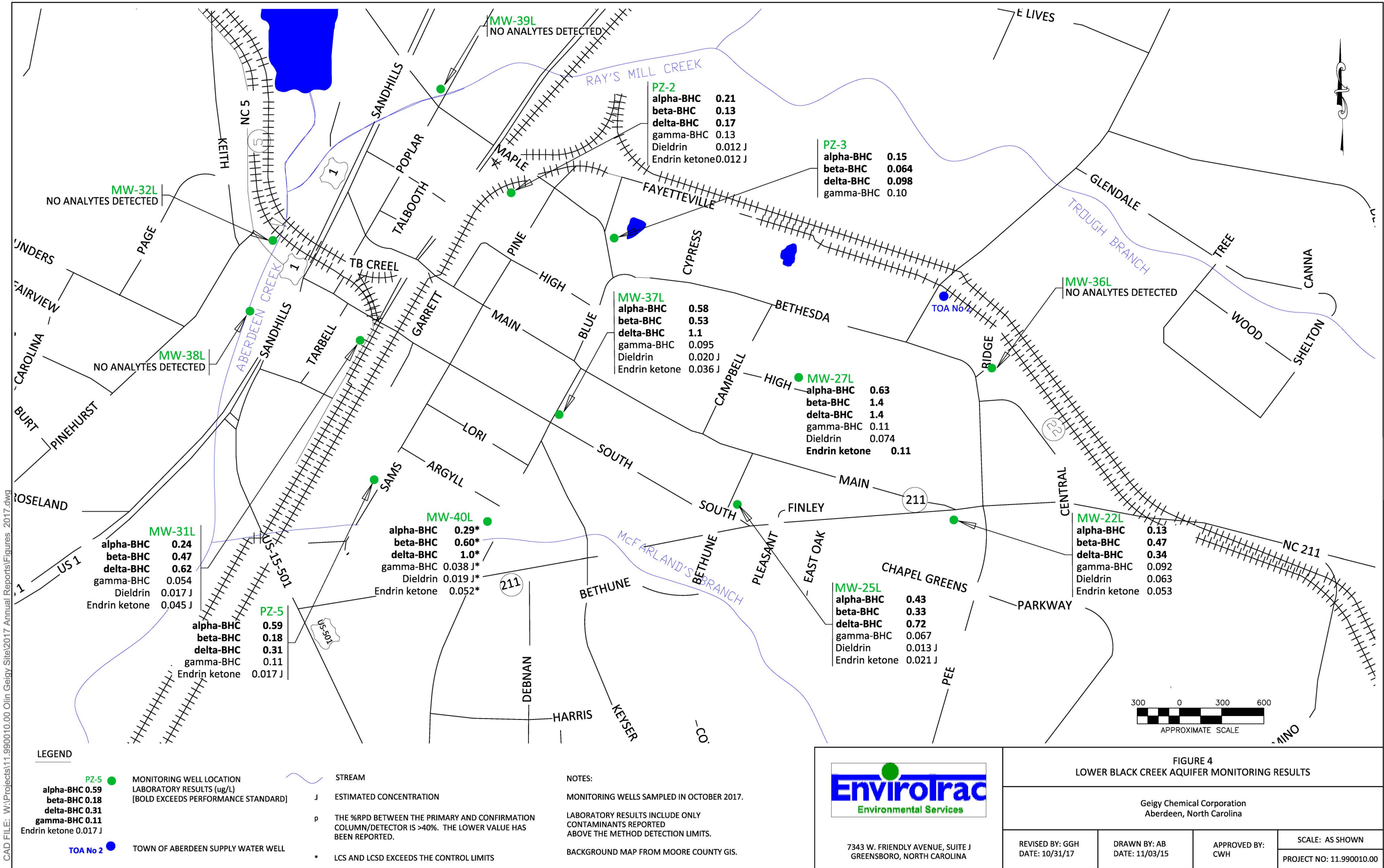
PZ-5

alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)





CAD FILE: W:\Projects\11.990010.00 Olin Geigy Site\2017 Annual Reports\Figures 2017.dwg



ATTACHMENT 5

GW-59 FORMS
AND
LABORATORY REPORTS AND CHAIN-OF-CUSTODY

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): InfluentDate sample collected: 3/27/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 4/6/17 TCE, 4/4/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

alpha-BHC 0.044J, beta-BHC 2.8, delta-
BHC 0.44, gamma-BHC 0.040J, Dieldrin
0.46, Endosulfan I 0.052, Endrin ketone
0.34, Toxaphene 4.1Jp (all ug/L)

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B/8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): InfluentDate sample collected: 4/25/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 5/4/17 TCE, 5/2/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

alpha-BHC 0.047J, beta-BHC 2.1, delta-BHC
0.35, gamma-BHC 0.046J, gamma-Chlordane
0.054, Dieldrin 0.38, Endosulfan I 0.038Jp,
Endrin ketone 0.26, Toxaphene 6.3 (all ug/L)

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B/8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore CountyContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): InfluentDate sample collected: 7/12/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 7/19/17 TCE, 7/17/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

alpha-BHC 0.049, beta-BHC 2.6, delta-BHC
0.38, gamma-BHC 0.039J, gamma-Chlordane
0.071, Dieldrin 0.44, Endrin ketone 0.35,
Toxaphene 5.0p (all in ug/L)
ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B/8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only(Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore CountyContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): InfluentDate sample collected: 10/3/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17 TCE, 10/9/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

alpha-BHC 0.030J, beta-BHC 2.0, delta-BHC
0.34, gamma-BHC 0.030J, Dieldrin 0.33, Endrin
ketone 0.22, Toxaphene 4.1Jp (all in ug/L)**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B/8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): EffluentDate sample collected: 3/27/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 4/6/17 TCE, 4/4/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE, PEST - all BQL**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore CountyContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): EffluentDate sample collected: 4/25/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 5/4/17 TCE, 5/2/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.017J ug/L**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): EffluentDate sample collected: 7/12/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 7/19/17 TCE, 7/17/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.053, Dieldrin 0.012J, Endrin ketone
0.013J (all ug/L)_____

_____**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) County Moore (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): EffluentDate sample collected: 10/3/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17 TCE, 10/9/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.028J ug/L**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only(Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen

(City)

(Street)

NC

(State)

County Moore

(Zip)

Contact Person: Garland HilliardTelephone#: 423.336.4479

Well Location/Site Name: _____

No. of wells to be sampled: _____

(from Permit)

PERMIT Number: _____

Expiration Date: 05/31/18Non-Discharge WQ0009949

UIC _____

NPDES _____

Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED☐ Lagoon☐ Remediation: Infiltration Gallery☐ Spray Field☒ Remediation: Groundwater☐ Rotary Distributor☐ Land Application of Sludge☐ Water Source Heat Pump☐ Other: _____**SAMPLING INFORMATION**WELL ID NUMBER (from Permit): Carbon A-1Date sample collected: 3/27/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NOand field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ µMhos

Odor _____

Appearance _____

If **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 4/6/17 TCE, 4/4/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE, PEST - all BQL

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only(Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore CountyContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon A-1Date sample collected: 4/25/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 5/4/17 TCE, 5/2/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.017J ug/L**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon A-1Date sample collected: 7/12/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 7/19/17 TCE, 7/17/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.064, Dieldrin 0.015J, Endrin
ketone 0.018J (all ug/L)

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon A-1Date sample collected: 10/3/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17 TCE, 10/9/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

beta-BHC 0.037J ug/L**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon B-1Date sample collected: 3/27/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 4/6/17 TCE, 4/4/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

alpha-BHC 0.024J, beta-BHC 1.5, delta-BHC
0.20, gamma-BHC 0.018Jp, Dieldrin 0.26,
Endosulfan I 0.036J, Endrin ketone 0.20,
Toxaphene 3.9J (all ug/L)

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ μMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only(Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon B-1Date sample collected: 4/25/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 5/4/17 TCE, 5/2/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE, PEST - all BQL**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore CountyContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon B-1Date sample collected: 7/12/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 7/19/17 TCE, 7/17/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE, PEST - all BQL**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) Moore County (Zip)Contact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): Carbon B-1Date sample collected: 10/3/17

Well Depth: _____ ft.

Well Diameter: _____ in.

Depth to Water Level: _____ ft. below measuring point

Screened Interval: _____ ft. to _____ ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: _____ ft.

Volume of water pumped/bailed before sampling: _____ gallons

Samples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**

pH _____ units Temp. _____ °C

Spec. Cond. _____ μMhos

Odor _____

Appearance _____

If **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17 TCE, 10/9/17 PESTLaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ μMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE, PEST - all BQL**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B | 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):Influent Total VOCs: <0.001 mg/LEffluent Total VOCs: <0.001 mg/LVOC Removal% 100

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-4SDate sample collected: 10/3/17Well Depth: 41.97 ft.Well Diameter: 2 in.Depth to Water Level: 36.22 ft. below measuring pointScreened Interval: 31.9 ft. to 41.9 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 473.49 ft.Volume of water pumped/bailed before sampling: 0.8 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.12 units Temp. 19.60 °CSpec. Cond. _____ 66 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached_____

_____**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8085A

_____, method # _____

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-5SDate sample collected: 10/3/17Well Depth: 47.44 ft.Well Diameter: 2 in.Depth to Water Level: 38.41 ft. below measuring pointScreened Interval: 37.4 ft. to 47.4 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 471.36 ft.Volume of water pumped/bailed before sampling: 0.75 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.66 units Temp. 21.02 °CSpec. Cond. _____ 49 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls, method # 8081B /8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-6SDate sample collected: 10/4/17Well Depth: 47.01 ft.Well Diameter: 2 in.Depth to Water Level: 40.50 ft. below measuring pointScreened Interval: 37 ft. to 47.0 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 464.73 ft.Volume of water pumped/bailed before sampling: 0.5 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.32 units Temp. 22.89 °CSpec. Cond. _____ 136 µMhosOdor NoneAppearance Slightly CloudyIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L **VOC Removal%** _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-10SDate sample collected: 10/3/17Well Depth: 41.36 ft.Well Diameter: 2 in.Depth to Water Level: 29.26 ft. below measuring pointScreened Interval: 31.3 ft. to 41.3 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 461.50 ft.Volume of water pumped/bailed before sampling: 3.5 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.64 units Temp. 18.07 °CSpec. Cond. _____ 25 µMhosOdor NoneAppearance CloudyIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17 PEST, 10/11/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-16SDate sample collected: 10/3/17Well Depth: 68.04 ft.Well Diameter: 2 in.Depth to Water Level: 47.19 ft. below measuring pointScreened Interval: 58 ft. to 68 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 484.58 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.54 units Temp. 17.72 °CSpec. Cond. _____ 73 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17 PEST, 10/15/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082B

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l

Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l

Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-17SDate sample collected: 10/3/17Well Depth: 59.42 ft.Well Diameter: 2 in.Depth to Water Level: 47.88 ft. below measuring pointScreened Interval: 49.4 ft. to 59.4 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 480.22 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.91 units Temp. 17.21 °CSpec. Cond. _____ 68 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17 PEST, 10/12/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-18SDate sample collected: 10/3/17Well Depth: 49.75 ft.Well Diameter: 2 in.Depth to Water Level: 49.49 ft. below measuring pointScreened Interval: 39.7 ft. to 49.7 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 467.83 ft.Volume of water pumped/bailed before sampling: 0.04 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.41 units Temp. 22.04 °CSpec. Cond. _____ 93 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17 PEST, 10/11/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-11DDate sample collected: 10/3/17Well Depth: 75.39 ft.Well Diameter: 2 in.Depth to Water Level: 65.65 ft. below measuring pointScreened Interval: 65 ft. to 75 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 463.41 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.76 units Temp. 16.60 °CSpec. Cond. _____ 17 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17 PEST, 10/11/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☐ Yes (1) ☒ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-16DDate sample collected: 10/4/17Well Depth: 123.57 ft.Well Diameter: 2 in.Depth to Water Level: 89.36 ft. below measuring pointScreened Interval: 113 ft. to 123 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 487.55 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.84 units Temp. 16.40 °CSpec. Cond. _____ 36 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/17/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-17DDate sample collected: 10/4/17Well Depth: 123.17 ft.Well Diameter: 2 in.Depth to Water Level: 91.18 ft. below measuring pointScreened Interval: 113 ft. to 123 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 489.60 ft.Volume of water pumped/bailed before sampling: 3.5 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.65 units Temp. 16.36 °CSpec. Cond. _____ 27 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/17/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC _____, method # 8260

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L **VOC Removal%** _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-18DDate sample collected: 10/4/17Well Depth: 72.36 ft.Well Diameter: 2 in.Depth to Water Level: 52.69 ft. below measuring pointScreened Interval: 62.6 ft. to 72.3 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 447.41 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.40 units Temp. 16.28 °CSpec. Cond. 74 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17 PEST, 10/17/17 TCELaboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCE - Results attachedTCL Pesticides - Results Attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082 A

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen NC 28315

(City)

(State)

(Zip)

County MooreContact Person: Garland HilliardTelephone#: 423.336.4479

Well Location/Site Name: _____

No. of wells to be sampled: _____

(from Permit)

PERMIT Number: _____

Expiration Date: 05/31/18Non-Discharge WQ0009949

UIC _____

NPDES _____

Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED☐ Lagoon☐ Remediation: Infiltration Gallery☐ Spray Field☒ Remediation: Groundwater☐ Rotary Distributor☐ Land Application of Sludge☐ Water Source Heat Pump

Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-20DDate sample collected: 10/3/17Well Depth: 47.44 ft.Well Diameter: 2 in.Depth to Water Level: 35.78 ft. below measuring pointScreened Interval: 37.4 ft. to 47.4 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 421.24 ft.Volume of water pumped/bailed before sampling: 2.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NOand field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.07 units Temp. 19.84 °CSpec. Cond. 41 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☐ Yes (1) ☒ No (0)Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen NC 28315

(City)

(State)

(Zip)

County MooreContact Person: Garland HilliardTelephone#: 423.336.4479

Well Location/Site Name: _____

No. of wells to be sampled: _____

(from Permit)

PERMIT Number: _____

Expiration Date: 05/31/18Non-Discharge WQ0009949

UIC _____

NPDES _____

Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED☐ Lagoon☐ Remediation: Infiltration Gallery☐ Spray Field☒ Remediation: Groundwater☐ Rotary Distributor☐ Land Application of Sludge☐ Water Source Heat Pump☐ Other: _____**SAMPLING INFORMATION**WELL ID NUMBER (from Permit): MW-22DDate sample collected: 10/3/17Well Depth: 85.73 ft.Well Diameter: 2 in.Depth to Water Level: 64.60 ft. below measuring pointScreened Interval: 75.7 ft. to 85.7 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 449.23 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NOand field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.30 units Temp. 18.50 °CSpec. Cond. _____ 40 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-23DDate sample collected: 10/3/17Well Depth: 87.96 ft.Well Diameter: 2 in.Depth to Water Level: 64.38 ft. below measuring pointScreened Interval: 77.9 ft. to 87.9 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 455.22 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.19 units Temp. 18.26 °CSpec. Cond. _____ 37 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-26DDate sample collected: 10/4/17Well Depth: 27.35 ft.Well Diameter: 2 in.Depth to Water Level: 6.56 ft. below measuring pointScreened Interval: 17.3 ft. to 27.3 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 378.95 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.26 units Temp. 18.37 °CSpec. Cond. _____ 61 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-30DDate sample collected: 10/3/17Well Depth: 75.38 ft.Well Diameter: 2 in.Depth to Water Level: 55.00 ft. below measuring pointScreened Interval: 65.3 ft. to 75.3 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 451.25 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.45 units Temp. 16.48 °CSpec. Cond. _____ 51 µMhosOdor NoneAppearance ClearIf **WELL**
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: PEST 10/9/17, TCE 10/11/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attachedTCE - Results attached

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)VOC, method # 8260Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-22LDate sample collected: 10/3/17Well Depth: 145.20 ft.Well Diameter: 2 in.Depth to Water Level: 66.68 ft. below measuring pointScreened Interval: 135 ft. to 145 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 449.51 ft.Volume of water pumped/bailed before sampling: 13.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.81 units Temp. 17.91 °CSpec. Cond. _____ 63 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L **VOC Removal%** _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-25LDate sample collected: 10/4/17Well Depth: 74.60 ft.Well Diameter: 2 in.Depth to Water Level: 25.22 ft. below measuring pointScreened Interval: 64.6 ft. to 74.6 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 384.63 ft.Volume of water pumped/bailed before sampling: 8.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.33 units Temp. 17.72 °CSpec. Cond. _____ 31 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-27LDate sample collected: 10/4/17Well Depth: 86.54 ft.Well Diameter: 2 in.Depth to Water Level: 32.51 ft. below measuring pointScreened Interval: 76.5 ft. to 86.5 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 397.13 ft.Volume of water pumped/bailed before sampling: 9.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.02 units Temp. 17.09 °CSpec. Cond. _____ 88 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L **VOC Removal%** _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-31LDate sample collected: 10/3/17Well Depth: 22.0 ft.Well Diameter: 2 in.Depth to Water Level: 3.29 ft. below measuring pointScreened Interval: 12.0 ft. to 22 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 332.68 ft.Volume of water pumped/bailed before sampling: 3.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.33 units Temp. 23.84 °CSpec. Cond. _____ 75 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports): Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L **VOC Removal%** _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-32LDate sample collected: 10/4/17Well Depth: 26.99 ft.Well Diameter: 2 in.Depth to Water Level: 4.82 ft. below measuring pointScreened Interval: 16.9 ft. to 26.9 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 322.45 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.83 units Temp. 19.44 °CSpec. Cond. _____ 45 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-36LDate sample collected: 10/4/17Well Depth: 106.0 ft.Well Diameter: 2 in.Depth to Water Level: 36.15 ft. below measuring pointScreened Interval: 96.0 ft. to 106 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 414.18 ft.Volume of water pumped/bailed before sampling: 12 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.29 units Temp. 17.05 °CSpec. Cond. _____ 24 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached_____

_____**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-37LDate sample collected: 10/4/17Well Depth: 46.18 ft.Well Diameter: 2 in.Depth to Water Level: 11.94 ft. below measuring pointScreened Interval: 36.1 ft. to 46.1 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 354.86 ft.Volume of water pumped/bailed before sampling: 6.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.13 units Temp. 17.21 °CSpec. Cond. _____ 39 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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(Date)

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1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-38LDate sample collected: 10/3/17Well Depth: 28.14 ft.Well Diameter: 2 in.Depth to Water Level: 10.59 ft. below measuring pointScreened Interval: 18.1 ft. to 28.1 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 327.30 ft.Volume of water pumped/bailed before sampling: 3.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 5.50 units Temp. 20.57 °CSpec. Cond. 101 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/9/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8081A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-39LDate sample collected: 10/4/17Well Depth: 20.29 ft.Well Diameter: 2 in.Depth to Water Level: 4.43 ft. below measuring pointScreened Interval: 10.2 ft. to 20.2 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 389.86 ft.Volume of water pumped/bailed before sampling: 1.5 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.29 units Temp. 21.81 °CSpec. Cond. _____ 92 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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Signature of Permittee (or Authorized Agent)

(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): MW-40LDate sample collected: 10/4/17Well Depth: 27.76 ft.Well Diameter: 2 in.Depth to Water Level: 2.81 ft. below measuring pointScreened Interval: 17.7 ft. to 27.7 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 334.45 ft.Volume of water pumped/bailed before sampling: 13.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.31 units Temp. 19.22 °CSpec. Cond. _____ 41 µMhosOdor NoneAppearance CloudyIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/12/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml
 (Note: Use MPN method for highly turbid samples)

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units

Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l

TOC _____ mg/l
 Chloride _____ mg/l

Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l

Arsenic _____ mg/l
 Grease and Oils _____ mg/l

Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l

Phenol _____ mg/l
 Sulfate _____ mg/l

Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

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(Date)

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FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): PZ-2Date sample collected: 10/4/17Well Depth: 36.18 ft.Well Diameter: 2 in.Depth to Water Level: 5.57 ft. below measuring pointScreened Interval: 26.1 ft. to 36.1 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 343.79 ft.Volume of water pumped/bailed before sampling: 8.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.59 units Temp. 18.58 °CSpec. Cond. _____ 33 µMhosOdor NoneAppearance Slightly cloudyIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos

Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen (City) NC (State) 28315 (Zip) County MooreContact Person: Garland Hilliard Telephone#: 423.336.4479Well Location/Site Name: _____ No. of wells to be sampled: _____
(from Permit)PERMIT Number: _____ Expiration Date: 05/31/18Non-Discharge WQ0009949 UIC _____

NPDES _____ Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED

- ☐ Lagoon ☐ Remediation: Infiltration Gallery
☐ Spray Field ☒ Remediation: Groundwater
☐ Rotary Distributor ☐ Land Application of Sludge
☐ Water Source Heat Pump ☐ Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): PZ-3Date sample collected: 10/4/17Well Depth: 61.54 ft.Well Diameter: 2 in.Depth to Water Level: 35.33 ft. below measuring pointScreened Interval: 51.5 ft. to 61.5 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 381.02 ft.Volume of water pumped/bailed before sampling: 5.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NO and field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 3.77 units Temp. 16.32 °CSpec. Cond. _____ 24 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/11/17Laboratory Name: Test America Certification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l
 Coliform: MF Fecal _____ /100ml
 Coliform: MF Total _____ /100ml

(Note: Use MPN method for highly turbid samples)

Dissolved Solids: Total _____ mg/l
 pH (when analyzed) _____ units
 TOC _____ mg/l
 Chloride _____ mg/l
 Arsenic _____ mg/l
 Grease and Oils _____ mg/l
 Phenol _____ mg/l
 Sulfate _____ mg/l
 Specific Conductance _____ µMhos
 Total Ammonia _____ mg/l
 (Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)
 TKN as N _____ mg/l

Nitrite (NO₂) as N _____ mg/l
 Nitrate (NO₃) as N _____ mg/l
 Phosphorus: Total as P _____ mg/l
 Orthophosphate _____ mg/l
 Al - Aluminum _____ mg/l
 Ba - Barium _____ mg/l
 Ca - Calcium _____ mg/l
 Cd - Cadmium _____ mg/l
 Chromium: Total _____ mg/l
 Cu - Copper _____ mg/l
 Fe - Iron _____ mg/l
 Hg - Mercury _____ mg/l
 K - Potassium _____ mg/l
 Mg - Magnesium _____ mg/l
 Mn - Manganese _____ mg/l
 Ni - Nickel _____ mg/l

Pb - Lead _____ mg/l
 Zn - Zinc _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached**ORGANICS: (by GC, GC/MS, HPLC)****(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☒ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L Effluent Total VOCs: _____ mg/L VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

**GROUNDWATER QUALITY MONITORING:
COMPLIANCE REPORT FORM****Mail original
and 1 copy to:**DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES
DIVISION OF WATER QUALITY-INFORMATION PROCESSING UNIT

1617 MAIL SERVICE CENTER, RALEIGH, NC 27699-1617 Phone: (919) 733-3221

FACILITY INFORMATION*Please Print Clearly or Type*Facility Name: Geigy Chemical Corporation Site

Permit Name (if different): _____

Facility Address: Domino DriveAberdeen NC 28315

(City)

(State)

(Zip)

County MooreContact Person: Garland HilliardTelephone#: 423.336.4479

Well Location/Site Name: _____

No. of wells to be sampled: _____

(from Permit)

PERMIT Number: _____

Expiration Date: 05/31/18Non-Discharge WQ0009949

UIC _____

NPDES _____

Other _____

TYPE OF PERMITTED OPERATION BEING MONITORED☐ Lagoon☐ Remediation: Infiltration Gallery☐ Spray Field☒ Remediation: Groundwater☐ Rotary Distributor☐ Land Application of Sludge☐ Water Source Heat Pump

Other: _____

SAMPLING INFORMATIONWELL ID NUMBER (from Permit): PZ-5Date sample collected: 10/4/17Well Depth: 30.12 ft.Well Diameter: 2 in.Depth to Water Level: 6.99 ft. below measuring pointScreened Interval: 20.1 ft. to 30.1 ft.

Measuring Point is _____ ft. above land surface

Relative M.P. Elevation: 335.98 ft.Volume of water pumped/bailed before sampling: 4.0 gallonsSamples for **metals** were collected **unfiltered**: ☐ YES ☐ NOand field acidified: ☐ YES ☐ NO**FIELD ANALYSES:**pH 4.05 units Temp. 20.60 °CSpec. Cond. 79 µMhosOdor NoneAppearance ClearIf **WELL**
WAS
DRY at
time of
sampling,
check
here: ☐**LABORATORY INFORMATION**Date sample analyzed: 10/10/17Laboratory Name: Test AmericaCertification No. 269**PARAMETERS NOTE: Values should reflect dissolved and colloidal concentrations.**

COD _____ mg/l

Nitrite (NO₂) as N _____ mg/l

Pb - Lead _____ mg/l

Coliform: MF Fecal _____ /100ml

Nitrate (NO₃) as N _____ mg/l

Zn - Zinc _____ mg/l

Coliform: MF Total _____ /100ml

Phosphorus: Total as P _____ mg/l

(Note: Use MPN method for highly turbid samples)

Orthophosphate _____ mg/l

Other (Specify Compounds and Concentration Units):

TCL Pesticides - Results attached

Dissolved Solids: Total _____ mg/l

Al - Aluminum _____ mg/l

pH (when analyzed) _____ units

Ba - Barium _____ mg/l

TOC _____ mg/l

Ca - Calcium _____ mg/l

Chloride _____ mg/l

Cd - Cadmium _____ mg/l

Arsenic _____ mg/l

Chromium: Total _____ mg/l

Grease and Oils _____ mg/l

Cu - Copper _____ mg/l

Phenol _____ mg/l

Fe - Iron _____ mg/l

Sulfate _____ mg/l

Hg - Mercury _____ mg/l

Specific Conductance _____ µMhos

K - Potassium _____ mg/l

Total Ammonia _____ mg/l

Mg - Magnesium _____ mg/l

(Ammonia Nitrogen; NH₃ as N; Ammonia Nitrogen, Total)

Mn - Manganese _____ mg/l

TKN as N _____ mg/l

Ni - Nickel _____ mg/l

ORGANICS: (by GC, GC/MS, HPLC)**(Specify test and method #. ATTACH LAB REPORT.)**Report Attached? ☐ Yes (1) ☐ No (0)Pest & Biphenyls _____, method # 8081B / 8082A

_____, method # _____

_____, method # _____

_____, method # _____

For Remediation Systems Only (Attach Lab Reports):

Influent Total VOCs: _____ mg/L

Effluent Total VOCs: _____ mg/L

VOC Removal% _____

I certify that, to the best of my knowledge and belief, the information submitted in this report is true, accurate, and complete, and that the laboratory analytical data was produced using approved methods of analysis by a DWQ-certified laboratory. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Garland Hilliard - Director, Environmental Remediation

Permittee (or Authorized Agent) Name and Title - Please print or type

Signature of Permittee (or Authorized Agent)

(Date)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-136787-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

4/6/2017 12:24:49 PM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Job ID: 680-136787-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp.

Report Number: 680-136787-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 3/28/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-136787-1), Carbon A-1 (680-136787-2), Carbon B-1 (680-136787-3) and Influent (680-136787-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/06/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-474972.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-136787-1), Carbon A-1 (680-136787-2), Carbon B-1 (680-136787-3) and Influent (680-136787-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 04/01/2017 and analyzed on 04/04/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

The following sample contained an allowable number of surrogate compounds outside limits: Carbon B-1 (680-136787-3). These results have been reported and qualified.

Samples Carbon B-1 (680-136787-3)[5X] and Influent (680-136787-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-136787-1	Effluent	Water	03/27/17 14:21	03/28/17 09:10
680-136787-2	Carbon A-1	Water	03/27/17 14:46	03/28/17 09:10
680-136787-3	Carbon B-1	Water	03/27/17 14:57	03/28/17 09:10
680-136787-4	Influent	Water	03/27/17 15:09	03/28/17 09:10

Method Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Client Sample ID: Effluent

Date Collected: 03/27/17 14:21

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					04/06/17 02:16	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					04/06/17 02:16	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 02:16	1
4-Bromofluorobenzene (Surr)	105		80 - 120					04/06/17 02:16	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		04/01/17 13:13	04/04/17 15:45	1
alpha-BHC	0.049	U	0.049	0.0076	ug/L		04/01/17 13:13	04/04/17 15:45	1
alpha-Chlordane	0.049	U	0.049	0.0097	ug/L		04/01/17 13:13	04/04/17 15:45	1
beta-BHC	0.049	U	0.049	0.012	ug/L		04/01/17 13:13	04/04/17 15:45	1
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		04/01/17 13:13	04/04/17 15:45	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		04/01/17 13:13	04/04/17 15:45	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 15:45	1
delta-BHC	0.049	U	0.049	0.013	ug/L		04/01/17 13:13	04/04/17 15:45	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endrin	0.049	U	0.049	0.0086	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/01/17 13:13	04/04/17 15:45	1
Endrin ketone	0.049	U	0.049	0.0087	ug/L		04/01/17 13:13	04/04/17 15:45	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 15:45	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 15:45	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		04/01/17 13:13	04/04/17 15:45	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		04/01/17 13:13	04/04/17 15:45	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		04/01/17 13:13	04/04/17 15:45	1
Toxaphene	4.9	U	4.9	0.19	ug/L		04/01/17 13:13	04/04/17 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				04/01/17 13:13	04/04/17 15:45	1
Tetrachloro-m-xylene	44		39 - 130				04/01/17 13:13	04/04/17 15:45	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Client Sample ID: Carbon A-1

Date Collected: 03/27/17 14:46

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					04/06/17 02:39	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131					04/06/17 02:39	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 02:39	1
4-Bromofluorobenzene (Surr)	105		80 - 120					04/06/17 02:39	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		04/01/17 13:13	04/04/17 16:02	1
alpha-BHC	0.049	U	0.049	0.0077	ug/L		04/01/17 13:13	04/04/17 16:02	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		04/01/17 13:13	04/04/17 16:02	1
beta-BHC	0.049	U	0.049	0.012	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		04/01/17 13:13	04/04/17 16:02	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
delta-BHC	0.049	U	0.049	0.013	ug/L		04/01/17 13:13	04/04/17 16:02	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin	0.049	U	0.049	0.0086	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/01/17 13:13	04/04/17 16:02	1
Endrin ketone	0.049	U	0.049	0.0087	ug/L		04/01/17 13:13	04/04/17 16:02	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:02	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:02	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		04/01/17 13:13	04/04/17 16:02	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:02	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		04/01/17 13:13	04/04/17 16:02	1
Toxaphene	4.9	U	4.9	0.19	ug/L		04/01/17 13:13	04/04/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		10 - 130				04/01/17 13:13	04/04/17 16:02	1
Tetrachloro-m-xylene	41		39 - 130				04/01/17 13:13	04/04/17 16:02	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Client Sample ID: Carbon B-1

Date Collected: 03/27/17 14:57

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					04/06/17 03:02	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131					04/06/17 03:02	1
Dibromofluoromethane (Surr)	98		80 - 122					04/06/17 03:02	1
4-Bromofluorobenzene (Surr)	102		80 - 120					04/06/17 03:02	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		04/01/17 13:13	04/04/17 16:18	1
alpha-BHC	0.024	J	0.048	0.0074	ug/L		04/01/17 13:13	04/04/17 16:18	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		04/01/17 13:13	04/04/17 16:18	1
beta-BHC	1.5		0.24	0.057	ug/L		04/01/17 13:13	04/04/17 18:15	5
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		04/01/17 13:13	04/04/17 16:18	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		04/01/17 13:13	04/04/17 16:18	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
delta-BHC	0.20		0.048	0.012	ug/L		04/01/17 13:13	04/04/17 16:18	1
Dieldrin	0.26		0.048	0.0082	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan I	0.036	J	0.048	0.0078	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin	0.048	U	0.048	0.0084	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		04/01/17 13:13	04/04/17 16:18	1
Endrin ketone	0.20		0.048	0.0085	ug/L		04/01/17 13:13	04/04/17 16:18	1
gamma-BHC (Lindane)	0.018	J p	0.048	0.0079	ug/L		04/01/17 13:13	04/04/17 16:18	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		04/01/17 13:13	04/04/17 16:18	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		04/01/17 13:13	04/04/17 16:18	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		04/01/17 13:13	04/04/17 16:18	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		04/01/17 13:13	04/04/17 16:18	1
Toxaphene	3.9	J	4.8	0.18	ug/L		04/01/17 13:13	04/04/17 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 130				04/01/17 13:13	04/04/17 16:18	1
Tetrachloro-m-xylene	33	X	39 - 130				04/01/17 13:13	04/04/17 16:18	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Client Sample ID: Influent

Date Collected: 03/27/17 15:09

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			04/06/17 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					04/06/17 03:25	1
1,2-Dichloroethane-d4 (Surr)	96		73 - 131					04/06/17 03:25	1
Dibromofluoromethane (Surr)	100		80 - 122					04/06/17 03:25	1
4-Bromofluorobenzene (Surr)	101		80 - 120					04/06/17 03:25	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		04/01/17 13:13	04/04/17 16:35	1
alpha-BHC	0.044	J	0.049	0.0076	ug/L		04/01/17 13:13	04/04/17 16:35	1
alpha-Chlordane	0.049	U	0.049	0.0097	ug/L		04/01/17 13:13	04/04/17 16:35	1
beta-BHC	2.8		0.49	0.12	ug/L		04/01/17 13:13	04/04/17 18:32	10
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		04/01/17 13:13	04/04/17 16:35	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		04/01/17 13:13	04/04/17 16:35	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
delta-BHC	0.44		0.049	0.013	ug/L		04/01/17 13:13	04/04/17 16:35	1
Dieldrin	0.46		0.049	0.0084	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan I	0.052		0.049	0.0080	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin	0.049	U	0.049	0.0086	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/01/17 13:13	04/04/17 16:35	1
Endrin ketone	0.34		0.049	0.0087	ug/L		04/01/17 13:13	04/04/17 16:35	1
gamma-BHC (Lindane)	0.040	J	0.049	0.0081	ug/L		04/01/17 13:13	04/04/17 16:35	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		04/01/17 13:13	04/04/17 16:35	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		04/01/17 13:13	04/04/17 16:35	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		04/01/17 13:13	04/04/17 16:35	1
Methoxychlor	0.049	U	0.049	0.0090	ug/L		04/01/17 13:13	04/04/17 16:35	1
Toxaphene	4.1	J p	4.9	0.18	ug/L		04/01/17 13:13	04/04/17 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				04/01/17 13:13	04/04/17 16:35	1
Tetrachloro-m-xylene	46		39 - 130				04/01/17 13:13	04/04/17 16:35	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-474972/8

Matrix: Water

Analysis Batch: 474972

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L	-		04/05/17 19:22	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					04/05/17 19:22	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					04/05/17 19:22	1
Dibromofluoromethane (Surr)	97		80 - 122					04/05/17 19:22	1
4-Bromofluorobenzene (Surr)	102		80 - 120					04/05/17 19:22	1

Lab Sample ID: LCS 680-474972/3

Matrix: Water

Analysis Batch: 474972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	49.4		ug/L	-	99	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
1,2-Dichloroethane-d4 (Surr)	94		73 - 131				
Dibromofluoromethane (Surr)	96		80 - 122				
4-Bromofluorobenzene (Surr)	97		80 - 120				

Lab Sample ID: LCSD 680-474972/4

Matrix: Water

Analysis Batch: 474972

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	50.5		ug/L	-	101	80 - 120	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	103		80 - 120						
1,2-Dichloroethane-d4 (Surr)	97		73 - 131						
Dibromofluoromethane (Surr)	100		80 - 122						
4-Bromofluorobenzene (Surr)	99		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-474515/10-A

Matrix: Water

Analysis Batch: 474762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L	-	04/01/17 13:13	04/04/17 13:48	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L	-	04/01/17 13:13	04/04/17 13:48	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L	-	04/01/17 13:13	04/04/17 13:48	1
beta-BHC	0.050	U	0.050	0.012	ug/L	-	04/01/17 13:13	04/04/17 13:48	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L	-	04/01/17 13:13	04/04/17 13:48	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-474515/10-A

Matrix: Water

Analysis Batch: 474762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/01/17 13:13	04/04/17 13:48	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/01/17 13:13	04/04/17 13:48	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/01/17 13:13	04/04/17 13:48	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/01/17 13:13	04/04/17 13:48	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/01/17 13:13	04/04/17 13:48	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/01/17 13:13	04/04/17 13:48	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/01/17 13:13	04/04/17 13:48	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/01/17 13:13	04/04/17 13:48	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/01/17 13:13	04/04/17 13:48	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/01/17 13:13	04/04/17 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		10 - 130	04/01/17 13:13	04/04/17 13:48	1
Tetrachloro-m-xylene	52		39 - 130	04/01/17 13:13	04/04/17 13:48	1

Lab Sample ID: LCS 680-474515/11-A

Matrix: Water

Analysis Batch: 474762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.100	0.0646		ug/L		65	48 - 130
alpha-BHC	0.100	0.0675		ug/L		67	45 - 130
alpha-Chlordane	0.100	0.0673		ug/L		67	60 - 130
beta-BHC	0.100	0.0654		ug/L		65	50 - 130
4,4'-DDD	0.100	0.0725		ug/L		72	52 - 130
4,4'-DDE	0.100	0.0659		ug/L		66	48 - 130
4,4'-DDT	0.100	0.0789		ug/L		79	59 - 130
delta-BHC	0.100	0.0722		ug/L		72	47 - 140
Dieldrin	0.100	0.0698		ug/L		70	55 - 130
Endosulfan I	0.100	0.0604		ug/L		60	27 - 130
Endosulfan II	0.100	0.0718		ug/L		72	39 - 130
Endosulfan sulfate	0.100	0.0739		ug/L		74	57 - 130
Endrin	0.100	0.0854		ug/L		85	62 - 131
Endrin aldehyde	0.100	0.0778		ug/L		78	39 - 177
Endrin ketone	0.100	0.0675		ug/L		68	47 - 130
gamma-BHC (Lindane)	0.100	0.0632		ug/L		63	47 - 130
gamma-Chlordane	0.100	0.0740		ug/L		74	50 - 145
Heptachlor	0.100	0.0669		ug/L		67	49 - 130
Heptachlor epoxide	0.100	0.0664		ug/L		66	54 - 130
Methoxychlor	0.100	0.0977		ug/L		98	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-474515/11-A

Matrix: Water

Analysis Batch: 474762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474515

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	56		10 - 130
Tetrachloro-m-xylene	48		39 - 130

Lab Sample ID: LCSD 680-474515/12-A

Matrix: Water

Analysis Batch: 474762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474515

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.100	0.0784		ug/L		78	48 - 130	19	40
alpha-BHC	0.100	0.0790		ug/L		79	45 - 130	16	30
alpha-Chlordane	0.100	0.0809		ug/L		81	60 - 130	18	50
beta-BHC	0.100	0.0778		ug/L		78	50 - 130	17	40
4,4'-DDD	0.100	0.0829		ug/L		83	52 - 130	13	40
4,4'-DDE	0.100	0.0772		ug/L		77	48 - 130	16	30
4,4'-DDT	0.100	0.0904		ug/L		90	59 - 130	14	40
delta-BHC	0.100	0.0911		ug/L		91	47 - 140	23	30
Dieldrin	0.100	0.0824		ug/L		82	55 - 130	17	30
Endosulfan I	0.100	0.0728		ug/L		73	27 - 130	19	30
Endosulfan II	0.100	0.0832		ug/L		83	39 - 130	15	30
Endosulfan sulfate	0.100	0.0847		ug/L		85	57 - 130	14	40
Endrin	0.100	0.0947		ug/L		95	62 - 131	10	30
Endrin aldehyde	0.100	0.0916		ug/L		92	39 - 177	16	40
Endrin ketone	0.100	0.0800		ug/L		80	47 - 130	17	40
gamma-BHC (Lindane)	0.100	0.0761		ug/L		76	47 - 130	18	30
gamma-Chlordane	0.100	0.0873		ug/L		87	50 - 145	16	50
Heptachlor	0.100	0.0786		ug/L		79	49 - 130	16	30
Heptachlor epoxide	0.100	0.0779		ug/L		78	54 - 130	16	40
Methoxychlor	0.100	0.108		ug/L		108	53 - 130	10	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	67		10 - 130
Tetrachloro-m-xylene	57		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

GC/MS VOA

Analysis Batch: 474972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	8260B	
680-136787-2	Carbon A-1	Total/NA	Water	8260B	
680-136787-3	Carbon B-1	Total/NA	Water	8260B	
680-136787-4	Influent	Total/NA	Water	8260B	
MB 680-474972/8	Method Blank	Total/NA	Water	8260B	
LCS 680-474972/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-474972/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 474515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	3520C	
680-136787-2	Carbon A-1	Total/NA	Water	3520C	
680-136787-3	Carbon B-1	Total/NA	Water	3520C	
680-136787-4	Influent	Total/NA	Water	3520C	
MB 680-474515/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-474515/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-474515/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 474762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-136787-1	Effluent	Total/NA	Water	8081B/8082A	474515
680-136787-2	Carbon A-1	Total/NA	Water	8081B/8082A	474515
680-136787-3	Carbon B-1	Total/NA	Water	8081B/8082A	474515
680-136787-3	Carbon B-1	Total/NA	Water	8081B/8082A	474515
680-136787-4	Influent	Total/NA	Water	8081B/8082A	474515
680-136787-4	Influent	Total/NA	Water	8081B/8082A	474515
MB 680-474515/10-A	Method Blank	Total/NA	Water	8081B/8082A	474515
LCS 680-474515/11-A	Lab Control Sample	Total/NA	Water	8081B/8082A	474515
LCSD 680-474515/12-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	474515

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Client Sample ID: Effluent

Date Collected: 03/27/17 14:21

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	474972	04/06/17 02:16	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 15:45	JCK	TAL SAV

Client Sample ID: Carbon A-1

Date Collected: 03/27/17 14:46

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	474972	04/06/17 02:39	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 16:02	JCK	TAL SAV

Client Sample ID: Carbon B-1

Date Collected: 03/27/17 14:57

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	474972	04/06/17 03:02	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 16:18	JCK	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		5	474762	04/04/17 18:15	JCK	TAL SAV

Client Sample ID: Influent

Date Collected: 03/27/17 15:09

Date Received: 03/28/17 09:10

Lab Sample ID: 680-136787-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	474972	04/06/17 03:25	CEJ	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		1	474762	04/04/17 16:35	JCK	TAL SAV
Total/NA	Prep	3520C			474515	04/01/17 13:13	WRB	TAL SAV
Total/NA	Analysis	8081B/8082A		10	474762	04/04/17 18:32	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-136787-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-17
Alaska (UST)	State Program	10	UST-104	11-05-17
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-17 *
Florida	NELAP	4	E87052	06-30-17
GA Dept. of Agriculture	State Program	4	N/A	06-12-17 *
Georgia	State Program	4	N/A	06-30-17
Georgia	State Program	4	803	06-30-17
Guam	State Program	9	15-005r	04-16-17 *
Hawaii	State Program	9	N/A	06-30-17
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-17
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-17
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
Louisiana	NELAP	6	30690	06-30-17
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-17
Michigan	State Program	5	9925	06-30-17
Mississippi	State Program	4	N/A	06-30-17
Nebraska	State Program	7	TestAmerica-Savannah	06-30-17
New Jersey	NELAP	2	GA769	06-30-17 *
New Mexico	State Program	6	N/A	06-30-17
New York	NELAP	2	10842	03-31-17 *
North Carolina (DW)	State Program	4	13701	07-31-17
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-17
Pennsylvania	NELAP	3	68-00474	06-30-17
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17
Tennessee	State Program	4	TN02961	06-30-17
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	10-31-17
USDA	Federal		SAV 3-04	06-11-17 *
Virginia	NELAP	3	460161	06-14-17 *
Washington	State Program	10	C805	06-10-17 *
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-17
Wisconsin	State Program	5	999819810	08-31-17
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

681-Atlanta

THE LEADER IN ENVIRONMENTAL TESTING

 **TestAmerica Savannah**
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

[illegible]

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-136787-1

Login Number: 136787

List Source: TestAmerica Savannah

List Number: 1

Creator: Flanagan, Naomi V

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-137929-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

5/8/2017 3:13:36 PM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Job ID: 680-137929-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp.

Report Number: 680-137929-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 4/26/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-137929-1), Carbon A-1 (680-137929-2), Carbon B-1 (680-137929-3) and Influent (680-137929-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/04/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-137929-1), Carbon A-1 (680-137929-2), Carbon B-1 (680-137929-3) and Influent (680-137929-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 04/28/2017 and analyzed on 05/02/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Sample Influent (680-137929-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-137929-1	Effluent	Water	04/25/17 09:31	04/26/17 09:10
680-137929-2	Carbon A-1	Water	04/25/17 10:17	04/26/17 09:10
680-137929-3	Carbon B-1	Water	04/25/17 10:23	04/26/17 09:10
680-137929-4	Influent	Water	04/25/17 10:31	04/26/17 09:10

Method Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Client Sample ID: Effluent

Lab Sample ID: 680-137929-1

Date Collected: 04/25/17 09:31

Matrix: Water

Date Received: 04/26/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/04/17 20:53	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					05/04/17 20:53	1
Dibromofluoromethane (Surr)	90		80 - 122					05/04/17 20:53	1
4-Bromofluorobenzene (Surr)	100		80 - 120					05/04/17 20:53	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 15:33	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 15:33	1
alpha-Chlordane	0.050	U	0.050	0.0099	ug/L		04/28/17 14:00	05/02/17 15:33	1
beta-BHC	0.017	J	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 15:33	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 15:33	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 15:33	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 15:33	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 15:33	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:33	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 15:33	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 15:33	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 15:33	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		10 - 130				04/28/17 14:00	05/02/17 15:33	1
Tetrachloro-m-xylene	56		39 - 130				04/28/17 14:00	05/02/17 15:33	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Client Sample ID: Carbon A-1

Lab Sample ID: 680-137929-2

Date Collected: 04/25/17 10:17

Matrix: Water

Date Received: 04/26/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/04/17 20:30	1
1,2-Dichloroethane-d4 (Surr)	103		73 - 131					05/04/17 20:30	1
Dibromofluoromethane (Surr)	91		80 - 122					05/04/17 20:30	1
4-Bromofluorobenzene (Surr)	103		80 - 120					05/04/17 20:30	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0072	ug/L		04/28/17 14:00	05/02/17 15:48	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 15:48	1
alpha-Chlordane	0.050	U	0.050	0.0099	ug/L		04/28/17 14:00	05/02/17 15:48	1
beta-BHC	0.017	J	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDD	0.050	U	0.050	0.0076	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDE	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 15:48	1
4,4'-DDT	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 15:48	1
Dieldrin	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan I	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan II	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endosulfan sulfate	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin	0.050	U	0.050	0.0087	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 15:48	1
Endrin ketone	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 15:48	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 15:48	1
gamma-Chlordane	0.050	U	0.050	0.0084	ug/L		04/28/17 14:00	05/02/17 15:48	1
Heptachlor	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 15:48	1
Heptachlor epoxide	0.050	U	0.050	0.0080	ug/L		04/28/17 14:00	05/02/17 15:48	1
Methoxychlor	0.050	U	0.050	0.0092	ug/L		04/28/17 14:00	05/02/17 15:48	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		10 - 130				04/28/17 14:00	05/02/17 15:48	1
Tetrachloro-m-xylene	54		39 - 130				04/28/17 14:00	05/02/17 15:48	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Client Sample ID: Carbon B-1

Lab Sample ID: 680-137929-3

Date Collected: 04/25/17 10:23

Matrix: Water

Date Received: 04/26/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/04/17 21:16	1
1,2-Dichloroethane-d4 (Surr)	106		73 - 131					05/04/17 21:16	1
Dibromofluoromethane (Surr)	91		80 - 122					05/04/17 21:16	1
4-Bromofluorobenzene (Surr)	100		80 - 120					05/04/17 21:16	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 16:02	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 16:02	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		04/28/17 14:00	05/02/17 16:02	1
beta-BHC	0.050	U	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 16:02	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 16:02	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 16:02	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 16:02	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 16:02	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 16:02	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 16:02	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 16:02	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 16:02	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		10 - 130				04/28/17 14:00	05/02/17 16:02	1
Tetrachloro-m-xylene	52		39 - 130				04/28/17 14:00	05/02/17 16:02	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Client Sample ID: Influent

Lab Sample ID: 680-137929-4

Date Collected: 04/25/17 10:31

Matrix: Water

Date Received: 04/26/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/04/17 21:39	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					05/04/17 21:39	1
Dibromofluoromethane (Surr)	90		80 - 122					05/04/17 21:39	1
4-Bromofluorobenzene (Surr)	104		80 - 120					05/04/17 21:39	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		04/28/17 14:00	05/02/17 16:17	1
alpha-BHC	0.047	J	0.049	0.0077	ug/L		04/28/17 14:00	05/02/17 16:17	1
alpha-Chlordane	0.049	U	0.049	0.0099	ug/L		04/28/17 14:00	05/02/17 16:17	1
beta-BHC	2.1		0.49	0.12	ug/L		04/28/17 14:00	05/02/17 17:18	10
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		04/28/17 14:00	05/02/17 16:17	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		04/28/17 14:00	05/02/17 16:17	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
delta-BHC	0.35		0.049	0.013	ug/L		04/28/17 14:00	05/02/17 16:17	1
Dieldrin	0.38		0.049	0.0085	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan I	0.038	J p	0.049	0.0081	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin	0.049	U	0.049	0.0087	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		04/28/17 14:00	05/02/17 16:17	1
Endrin ketone	0.26		0.049	0.0088	ug/L		04/28/17 14:00	05/02/17 16:17	1
gamma-BHC (Lindane)	0.046	J	0.049	0.0082	ug/L		04/28/17 14:00	05/02/17 16:17	1
gamma-Chlordane	0.054		0.049	0.0084	ug/L		04/28/17 14:00	05/02/17 16:17	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		04/28/17 14:00	05/02/17 16:17	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		04/28/17 14:00	05/02/17 16:17	1
Methoxychlor	0.049	U	0.049	0.0092	ug/L		04/28/17 14:00	05/02/17 16:17	1
Toxaphene	6.3		4.9	0.19	ug/L		04/28/17 14:00	05/02/17 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		10 - 130				04/28/17 14:00	05/02/17 16:17	1
Tetrachloro-m-xylene	54		39 - 130				04/28/17 14:00	05/02/17 16:17	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-478625/9

Matrix: Water

Analysis Batch: 478625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			05/04/17 18:19	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					05/04/17 18:19	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					05/04/17 18:19	1
Dibromofluoromethane (Surr)	91		80 - 122					05/04/17 18:19	1
4-Bromofluorobenzene (Surr)	103		80 - 120					05/04/17 18:19	1

Lab Sample ID: LCS 680-478625/4

Matrix: Water

Analysis Batch: 478625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	43.8		ug/L		88	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	104		80 - 120				
1,2-Dichloroethane-d4 (Surr)	97		73 - 131				
Dibromofluoromethane (Surr)	86		80 - 122				
4-Bromofluorobenzene (Surr)	94		80 - 120				

Lab Sample ID: LCSD 680-478625/5

Matrix: Water

Analysis Batch: 478625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	43.2		ug/L		86	80 - 120	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	96		80 - 120						
1,2-Dichloroethane-d4 (Surr)	101		73 - 131						
Dibromofluoromethane (Surr)	87		80 - 122						
4-Bromofluorobenzene (Surr)	99		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-477756/10-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		04/28/17 14:00	05/02/17 13:08	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		04/28/17 14:00	05/02/17 13:08	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		04/28/17 14:00	05/02/17 13:08	1
beta-BHC	0.050	U	0.050	0.012	ug/L		04/28/17 14:00	05/02/17 13:08	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		04/28/17 14:00	05/02/17 13:08	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-477756/10-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		04/28/17 14:00	05/02/17 13:08	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
delta-BHC	0.050	U	0.050	0.013	ug/L		04/28/17 14:00	05/02/17 13:08	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin	0.050	U	0.050	0.0088	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		04/28/17 14:00	05/02/17 13:08	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		04/28/17 14:00	05/02/17 13:08	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		04/28/17 14:00	05/02/17 13:08	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		04/28/17 14:00	05/02/17 13:08	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		04/28/17 14:00	05/02/17 13:08	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		04/28/17 14:00	05/02/17 13:08	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		04/28/17 14:00	05/02/17 13:08	1
Toxaphene	5.0	U	5.0	0.19	ug/L		04/28/17 14:00	05/02/17 13:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 130	04/28/17 14:00	05/02/17 13:08	1
Tetrachloro-m-xylene	66		39 - 130	04/28/17 14:00	05/02/17 13:08	1

Lab Sample ID: LCS 680-477756/11-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.100	0.0765		ug/L		76	48 - 130
alpha-BHC	0.100	0.0729		ug/L		73	45 - 130
alpha-Chlordane	0.100	0.0824		ug/L		82	60 - 130
beta-BHC	0.100	0.0765		ug/L		76	50 - 130
4,4'-DDD	0.100	0.0848		ug/L		85	52 - 130
4,4'-DDE	0.100	0.0812		ug/L		81	48 - 130
4,4'-DDT	0.100	0.0849		ug/L		85	59 - 130
delta-BHC	0.100	0.0853		ug/L		85	47 - 140
Dieldrin	0.100	0.0822		ug/L		82	55 - 130
Endosulfan I	0.100	0.0633		ug/L		63	27 - 130
Endosulfan II	0.100	0.0741		ug/L		74	39 - 130
Endosulfan sulfate	0.100	0.0795		ug/L		80	57 - 130
Endrin	0.100	0.0795		ug/L		79	62 - 131
Endrin aldehyde	0.100	0.101		ug/L		101	39 - 177
Endrin ketone	0.100	0.0819		ug/L		82	47 - 130
gamma-BHC (Lindane)	0.100	0.0717		ug/L		72	47 - 130
gamma-Chlordane	0.100	0.0816		ug/L		82	50 - 145
Heptachlor	0.100	0.0715		ug/L		72	49 - 130
Heptachlor epoxide	0.100	0.0788		ug/L		79	54 - 130
Methoxychlor	0.100	0.0894		ug/L		89	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-477756/11-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477756

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	70		10 - 130
Tetrachloro-m-xylene	67		39 - 130

Lab Sample ID: LCSD 680-477756/12-A

Matrix: Water

Analysis Batch: 478191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 477756

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.100	0.0777		ug/L		78	48 - 130	2	40
alpha-BHC	0.100	0.0736		ug/L		74	45 - 130	1	30
alpha-Chlordane	0.100	0.0841		ug/L		84	60 - 130	2	50
beta-BHC	0.100	0.0765		ug/L		76	50 - 130	0	40
4,4'-DDD	0.100	0.0870		ug/L		87	52 - 130	3	40
4,4'-DDE	0.100	0.0828		ug/L		83	48 - 130	2	30
4,4'-DDT	0.100	0.0894		ug/L		89	59 - 130	5	40
delta-BHC	0.100	0.0883		ug/L		88	47 - 140	3	30
Dieldrin	0.100	0.0837		ug/L		84	55 - 130	2	30
Endosulfan I	0.100	0.0655		ug/L		66	27 - 130	3	30
Endosulfan II	0.100	0.0764		ug/L		76	39 - 130	3	30
Endosulfan sulfate	0.100	0.0837		ug/L		84	57 - 130	5	40
Endrin	0.100	0.0818		ug/L		82	62 - 131	3	30
Endrin aldehyde	0.100	0.117		ug/L		117	39 - 177	15	40
Endrin ketone	0.100	0.0854		ug/L		85	47 - 130	4	40
gamma-BHC (Lindane)	0.100	0.0718		ug/L		72	47 - 130	0	30
gamma-Chlordane	0.100	0.0831		ug/L		83	50 - 145	2	50
Heptachlor	0.100	0.0729		ug/L		73	49 - 130	2	30
Heptachlor epoxide	0.100	0.0797		ug/L		80	54 - 130	1	40
Methoxychlor	0.100	0.0953		ug/L		95	53 - 130	6	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	54		10 - 130
Tetrachloro-m-xylene	68		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

GC/MS VOA

Analysis Batch: 478625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-137929-1	Effluent	Total/NA	Water	8260B	
680-137929-2	Carbon A-1	Total/NA	Water	8260B	
680-137929-3	Carbon B-1	Total/NA	Water	8260B	
680-137929-4	Influent	Total/NA	Water	8260B	
MB 680-478625/9	Method Blank	Total/NA	Water	8260B	
LCS 680-478625/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-478625/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 477756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-137929-1	Effluent	Total/NA	Water	3520C	
680-137929-2	Carbon A-1	Total/NA	Water	3520C	
680-137929-3	Carbon B-1	Total/NA	Water	3520C	
680-137929-4	Influent	Total/NA	Water	3520C	
MB 680-477756/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-477756/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-477756/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 478191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-137929-1	Effluent	Total/NA	Water	8081B/8082A	477756
680-137929-2	Carbon A-1	Total/NA	Water	8081B/8082A	477756
680-137929-3	Carbon B-1	Total/NA	Water	8081B/8082A	477756
680-137929-4	Influent	Total/NA	Water	8081B/8082A	477756
680-137929-4	Influent	Total/NA	Water	8081B/8082A	477756
MB 680-477756/10-A	Method Blank	Total/NA	Water	8081B/8082A	477756
LCS 680-477756/11-A	Lab Control Sample	Total/NA	Water	8081B/8082A	477756
LCSD 680-477756/12-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	477756

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Client Sample ID: Effluent

Date Collected: 04/25/17 09:31

Date Received: 04/26/17 09:10

Lab Sample ID: 680-137929-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 20:53	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 15:33	JCK	TAL SAV

Client Sample ID: Carbon A-1

Date Collected: 04/25/17 10:17

Date Received: 04/26/17 09:10

Lab Sample ID: 680-137929-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 20:30	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 15:48	JCK	TAL SAV

Client Sample ID: Carbon B-1

Date Collected: 04/25/17 10:23

Date Received: 04/26/17 09:10

Lab Sample ID: 680-137929-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 21:16	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 16:02	JCK	TAL SAV

Client Sample ID: Influent

Date Collected: 04/25/17 10:31

Date Received: 04/26/17 09:10

Lab Sample ID: 680-137929-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	478625	05/04/17 21:39	CEJ	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	478191	05/02/17 16:17	JCK	TAL SAV
Total/NA	Prep	3520C			477756	04/28/17 14:00	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		10	478191	05/02/17 17:18	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-137929-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-17 *
Alaska (UST)	State Program	10	UST-104	11-05-17
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-17 *
Florida	NELAP	4	E87052	06-30-17 *
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	N/A	06-30-17 *
Georgia	State Program	4	803	06-30-17 *
Guam	State Program	9	15-005r	04-16-17 *
Hawaii	State Program	9	N/A	06-30-17 *
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-17 *
Iowa	State Program	7	353	06-30-17 *
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-17 *
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
Louisiana	NELAP	6	30690	06-30-17 *
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-17 *
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-17 *
Nebraska	State Program	7	TestAmerica-Savannah	06-30-17 *
New Jersey	NELAP	2	GA769	06-30-17 *
New Mexico	State Program	6	N/A	06-30-17 *
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-17
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-17
Pennsylvania	NELAP	3	68-00474	06-30-17 *
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-17 *
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	10-31-17
USDA	Federal		SAV 3-04	06-11-17 *
Virginia	NELAP	3	460161	06-14-17 *
Washington	State Program	10	C805	06-10-17 *
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-17 *
Wisconsin	State Program	5	999819810	08-31-17
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

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Savannah, GA 31404

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681-Atlanta

Chain of Custody Record

193610

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-137929-1

Login Number: 137929

List Source: TestAmerica Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-140958-1

Client Project/Site: Geigy Chemical Corp.

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay

Kathryn Smith

Authorized for release by:

7/21/2017 2:49:34 PM

Kathryn Smith, Manager of Project Management

(912)354-7858

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Designee for

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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Job ID: 680-140958-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: EnviroTrac, Ltd.
Project: Geigy Chemical Corp.

Report Number: 680-140958-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 07/13/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-140958-1), Carbon A-1 (680-140958-2), Carbon B-1 (680-140958-3) and Influent (680-140958-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/19/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples Effluent (680-140958-1), Carbon A-1 (680-140958-2), Carbon B-1 (680-140958-3) and Influent (680-140958-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 07/14/2017 and analyzed on 07/17/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Sample Influent (680-140958-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-140958-1	Effluent	Water	07/12/17 13:17	07/13/17 09:10
680-140958-2	Carbon A-1	Water	07/12/17 13:28	07/13/17 09:10
680-140958-3	Carbon B-1	Water	07/12/17 13:36	07/13/17 09:10
680-140958-4	Influent	Water	07/12/17 13:49	07/13/17 09:10

Method Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Client Sample ID: Effluent

Lab Sample ID: 680-140958-1

Date Collected: 07/12/17 13:17

Matrix: Water

Date Received: 07/13/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					07/19/17 14:56	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 14:56	1
Dibromofluoromethane (Surr)	100		80 - 122					07/19/17 14:56	1
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 14:56	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		07/14/17 15:13	07/17/17 14:37	1
alpha-BHC	0.048	U	0.048	0.0075	ug/L		07/14/17 15:13	07/17/17 14:37	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		07/14/17 15:13	07/17/17 14:37	1
beta-BHC	0.053		0.048	0.011	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		07/14/17 15:13	07/17/17 14:37	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
delta-BHC	0.048	U	0.048	0.012	ug/L		07/14/17 15:13	07/17/17 14:37	1
Dieldrin	0.012	J	0.048	0.0082	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin	0.048	U	0.048	0.0084	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		07/14/17 15:13	07/17/17 14:37	1
Endrin ketone	0.013	J	0.048	0.0085	ug/L		07/14/17 15:13	07/17/17 14:37	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		07/14/17 15:13	07/17/17 14:37	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		07/14/17 15:13	07/17/17 14:37	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		07/14/17 15:13	07/17/17 14:37	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		07/14/17 15:13	07/17/17 14:37	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		07/14/17 15:13	07/17/17 14:37	1
Toxaphene	4.8	U	4.8	0.18	ug/L		07/14/17 15:13	07/17/17 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 14:37	1
Tetrachloro-m-xylene	41		39 - 130				07/14/17 15:13	07/17/17 14:37	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Client Sample ID: Carbon A-1

Lab Sample ID: 680-140958-2

Date Collected: 07/12/17 13:28

Matrix: Water

Date Received: 07/13/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					07/19/17 15:18	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 15:18	1
Dibromofluoromethane (Surr)	99		80 - 122					07/19/17 15:18	1
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 15:18	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 14:53	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		07/14/17 15:13	07/17/17 14:53	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		07/14/17 15:13	07/17/17 14:53	1
beta-BHC	0.064		0.047	0.011	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 14:53	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
delta-BHC	0.047	U	0.047	0.012	ug/L		07/14/17 15:13	07/17/17 14:53	1
Dieldrin	0.015	J	0.047	0.0081	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		07/14/17 15:13	07/17/17 14:53	1
Endrin ketone	0.018	J	0.047	0.0084	ug/L		07/14/17 15:13	07/17/17 14:53	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 14:53	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 14:53	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		07/14/17 15:13	07/17/17 14:53	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		07/14/17 15:13	07/17/17 14:53	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		07/14/17 15:13	07/17/17 14:53	1
Toxaphene	4.7	U	4.7	0.18	ug/L		07/14/17 15:13	07/17/17 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		10 - 130				07/14/17 15:13	07/17/17 14:53	1
Tetrachloro-m-xylene	46		39 - 130				07/14/17 15:13	07/17/17 14:53	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Client Sample ID: Carbon B-1

Lab Sample ID: 680-140958-3

Date Collected: 07/12/17 13:36

Matrix: Water

Date Received: 07/13/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					07/19/17 15:40	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					07/19/17 15:40	1
Dibromofluoromethane (Surr)	98		80 - 122					07/19/17 15:40	1
4-Bromofluorobenzene (Surr)	103		80 - 120					07/19/17 15:40	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		07/14/17 15:13	07/17/17 15:10	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		07/14/17 15:13	07/17/17 15:10	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		07/14/17 15:13	07/17/17 15:10	1
beta-BHC	0.047	U	0.047	0.011	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		07/14/17 15:13	07/17/17 15:10	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
delta-BHC	0.047	U	0.047	0.012	ug/L		07/14/17 15:13	07/17/17 15:10	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		07/14/17 15:13	07/17/17 15:10	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		07/14/17 15:13	07/17/17 15:10	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		07/14/17 15:13	07/17/17 15:10	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		07/14/17 15:13	07/17/17 15:10	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		07/14/17 15:13	07/17/17 15:10	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		07/14/17 15:13	07/17/17 15:10	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		07/14/17 15:13	07/17/17 15:10	1
Toxaphene	4.7	U	4.7	0.18	ug/L		07/14/17 15:13	07/17/17 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 15:10	1
Tetrachloro-m-xylene	48		39 - 130				07/14/17 15:13	07/17/17 15:10	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Client Sample ID: Influent

Lab Sample ID: 680-140958-4

Date Collected: 07/12/17 13:49

Matrix: Water

Date Received: 07/13/17 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					07/19/17 16:02	1
1,2-Dichloroethane-d4 (Surr)	103		73 - 131					07/19/17 16:02	1
Dibromofluoromethane (Surr)	100		80 - 122					07/19/17 16:02	1
4-Bromofluorobenzene (Surr)	102		80 - 120					07/19/17 16:02	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		07/14/17 15:13	07/17/17 15:26	1
alpha-BHC	0.049		0.049	0.0077	ug/L		07/14/17 15:13	07/17/17 15:26	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		07/14/17 15:13	07/17/17 15:26	1
beta-BHC	2.6		0.25	0.059	ug/L		07/14/17 15:13	07/17/17 18:11	5
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		07/14/17 15:13	07/17/17 15:26	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		07/14/17 15:13	07/17/17 15:26	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
delta-BHC	0.38		0.049	0.013	ug/L		07/14/17 15:13	07/17/17 15:26	1
Dieldrin	0.44		0.049	0.0085	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin	0.049	U	0.049	0.0087	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		07/14/17 15:13	07/17/17 15:26	1
Endrin ketone	0.35		0.049	0.0088	ug/L		07/14/17 15:13	07/17/17 15:26	1
gamma-BHC (Lindane)	0.039	J	0.049	0.0082	ug/L		07/14/17 15:13	07/17/17 15:26	1
gamma-Chlordane	0.071		0.049	0.0084	ug/L		07/14/17 15:13	07/17/17 15:26	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		07/14/17 15:13	07/17/17 15:26	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		07/14/17 15:13	07/17/17 15:26	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		07/14/17 15:13	07/17/17 15:26	1
Toxaphene	5.0	p	4.9	0.19	ug/L		07/14/17 15:13	07/17/17 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		10 - 130				07/14/17 15:13	07/17/17 15:26	1
Tetrachloro-m-xylene	48		39 - 130				07/14/17 15:13	07/17/17 15:26	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-488213/9

Matrix: Water

Analysis Batch: 488213

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			07/19/17 09:46	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					07/19/17 09:46	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131					07/19/17 09:46	1
Dibromofluoromethane (Surr)	98		80 - 122					07/19/17 09:46	1
4-Bromofluorobenzene (Surr)	105		80 - 120					07/19/17 09:46	1

Lab Sample ID: LCS 680-488213/4

Matrix: Water

Analysis Batch: 488213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	50.2		ug/L		100	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	98		80 - 120				
1,2-Dichloroethane-d4 (Surr)	98		73 - 131				
Dibromofluoromethane (Surr)	99		80 - 122				
4-Bromofluorobenzene (Surr)	99		80 - 120				

Lab Sample ID: LCSD 680-488213/5

Matrix: Water

Analysis Batch: 488213

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	98		80 - 120						
1,2-Dichloroethane-d4 (Surr)	101		73 - 131						
Dibromofluoromethane (Surr)	100		80 - 122						
4-Bromofluorobenzene (Surr)	98		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-487769/5-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 487769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		07/14/17 15:13	07/17/17 13:47	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		07/14/17 15:13	07/17/17 13:47	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		07/14/17 15:13	07/17/17 13:47	1
beta-BHC	0.050	U	0.050	0.012	ug/L		07/14/17 15:13	07/17/17 13:47	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		07/14/17 15:13	07/17/17 13:47	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-487769/5-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 487769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		07/14/17 15:13	07/17/17 13:47	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		07/14/17 15:13	07/17/17 13:47	1
delta-BHC	0.050	U	0.050	0.013	ug/L		07/14/17 15:13	07/17/17 13:47	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endrin	0.050	U	0.050	0.0088	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		07/14/17 15:13	07/17/17 13:47	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		07/14/17 15:13	07/17/17 13:47	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		07/14/17 15:13	07/17/17 13:47	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		07/14/17 15:13	07/17/17 13:47	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		07/14/17 15:13	07/17/17 13:47	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		07/14/17 15:13	07/17/17 13:47	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		07/14/17 15:13	07/17/17 13:47	1
Toxaphene	5.0	U	5.0	0.19	ug/L		07/14/17 15:13	07/17/17 13:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		10 - 130	07/14/17 15:13	07/17/17 13:47	1
Tetrachloro-m-xylene	64		39 - 130	07/14/17 15:13	07/17/17 13:47	1

Lab Sample ID: LCS 680-487769/6-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 487769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.100	0.0685		ug/L		69	48 - 130
alpha-BHC	0.100	0.0805		ug/L		80	45 - 130
alpha-Chlordane	0.100	0.0941		ug/L		94	60 - 130
beta-BHC	0.100	0.0790		ug/L		79	50 - 130
4,4'-DDD	0.100	0.0881		ug/L		88	52 - 130
4,4'-DDE	0.100	0.0889		ug/L		89	48 - 130
4,4'-DDT	0.100	0.101		ug/L		101	59 - 130
delta-BHC	0.100	0.0834		ug/L		83	47 - 140
Dieldrin	0.100	0.0881		ug/L		88	55 - 130
Endosulfan I	0.100	0.0811		ug/L		81	27 - 130
Endosulfan II	0.100	0.0901		ug/L		90	39 - 130
Endosulfan sulfate	0.100	0.0921		ug/L		92	57 - 130
Endrin	0.100	0.0943		ug/L		94	62 - 131
Endrin aldehyde	0.100	0.0908		ug/L		91	39 - 177
Endrin ketone	0.100	0.0971		ug/L		97	47 - 130
gamma-BHC (Lindane)	0.100	0.0763		ug/L		76	47 - 130
gamma-Chlordane	0.100	0.0850		ug/L		85	50 - 145
Heptachlor	0.100	0.0587		ug/L		59	49 - 130
Heptachlor epoxide	0.100	0.0844		ug/L		84	54 - 130
Methoxychlor	0.100	0.120		ug/L		120	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-487769/6-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 487769

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	81		10 - 130
Tetrachloro-m-xylene	59		39 - 130

Lab Sample ID: LCSD 680-487769/7-A

Matrix: Water

Analysis Batch: 487908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 487769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.100	0.0812		ug/L		81	48 - 130	17	40
alpha-BHC	0.100	0.0920		ug/L		92	45 - 130	13	30
alpha-Chlordane	0.100	0.104		ug/L		104	60 - 130	10	50
beta-BHC	0.100	0.0920		ug/L		92	50 - 130	15	40
4,4'-DDD	0.100	0.0973		ug/L		97	52 - 130	10	40
4,4'-DDE	0.100	0.102		ug/L		102	48 - 130	14	30
4,4'-DDT	0.100	0.107		ug/L		107	59 - 130	6	40
delta-BHC	0.100	0.0952		ug/L		95	47 - 140	13	30
Dieldrin	0.100	0.0946		ug/L		95	55 - 130	7	30
Endosulfan I	0.100	0.0846		ug/L		85	27 - 130	4	30
Endosulfan II	0.100	0.0947		ug/L		95	39 - 130	5	30
Endosulfan sulfate	0.100	0.0957		ug/L		96	57 - 130	4	40
Endrin	0.100	0.100		ug/L		100	62 - 131	6	30
Endrin aldehyde	0.100	0.0948		ug/L		95	39 - 177	4	40
Endrin ketone	0.100	0.101		ug/L		101	47 - 130	4	40
gamma-BHC (Lindane)	0.100	0.0868		ug/L		87	47 - 130	13	30
gamma-Chlordane	0.100	0.0941		ug/L		94	50 - 145	10	50
Heptachlor	0.100	0.0691		ug/L		69	49 - 130	16	30
Heptachlor epoxide	0.100	0.0904		ug/L		90	54 - 130	7	40
Methoxychlor	0.100	0.123		ug/L		123	53 - 130	2	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	83		10 - 130
Tetrachloro-m-xylene	67		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

GC/MS VOA

Analysis Batch: 488213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-1	Effluent	Total/NA	Water	8260B	
680-140958-2	Carbon A-1	Total/NA	Water	8260B	
680-140958-3	Carbon B-1	Total/NA	Water	8260B	
680-140958-4	Influent	Total/NA	Water	8260B	
MB 680-488213/9	Method Blank	Total/NA	Water	8260B	
LCS 680-488213/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-488213/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 487769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-1	Effluent	Total/NA	Water	3520C	
680-140958-2	Carbon A-1	Total/NA	Water	3520C	
680-140958-3	Carbon B-1	Total/NA	Water	3520C	
680-140958-4	Influent	Total/NA	Water	3520C	
MB 680-487769/5-A	Method Blank	Total/NA	Water	3520C	
LCS 680-487769/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-487769/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 487899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-4	Influent	Total/NA	Water	8081B/8082A	487769

Analysis Batch: 487908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-140958-1	Effluent	Total/NA	Water	8081B/8082A	487769
680-140958-2	Carbon A-1	Total/NA	Water	8081B/8082A	487769
680-140958-3	Carbon B-1	Total/NA	Water	8081B/8082A	487769
680-140958-4	Influent	Total/NA	Water	8081B/8082A	487769
MB 680-487769/5-A	Method Blank	Total/NA	Water	8081B/8082A	487769
LCS 680-487769/6-A	Lab Control Sample	Total/NA	Water	8081B/8082A	487769
LCSD 680-487769/7-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	487769

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Client Sample ID: Effluent

Date Collected: 07/12/17 13:17

Date Received: 07/13/17 09:10

Lab Sample ID: 680-140958-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 14:56	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 14:37	JCK	TAL SAV

Client Sample ID: Carbon A-1

Date Collected: 07/12/17 13:28

Date Received: 07/13/17 09:10

Lab Sample ID: 680-140958-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 15:18	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 14:53	JCK	TAL SAV

Client Sample ID: Carbon B-1

Date Collected: 07/12/17 13:36

Date Received: 07/13/17 09:10

Lab Sample ID: 680-140958-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 15:40	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 15:10	JCK	TAL SAV

Client Sample ID: Influent

Date Collected: 07/12/17 13:49

Date Received: 07/13/17 09:10

Lab Sample ID: 680-140958-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	488213	07/19/17 16:02	JD1	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	487899	07/17/17 18:11	JCK	TAL SAV
Total/NA	Prep	3520C			487769	07/14/17 15:13	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	487908	07/17/17 15:26	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp.

TestAmerica Job ID: 680-140958-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	07-31-17 *
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-17 *
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	N/A	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-17 *
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-17 *
Iowa	State Program	7	353	06-30-17 *
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-17 *
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-17 *
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-17 *
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-17 *
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
US Fish & Wildlife	Federal		LE058448-0	10-31-17
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-17 *
Washington	State Program	10	C805	06-10-17 *
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-17 *
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-140958-1

Login Number: 140958

List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-143960-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

10/13/2017 1:49:29 PM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Job ID: 680-143960-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143960-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Effluent (680-143960-1), Carbon A-1 (680-143960-2), Carbon B-1 (680-143960-3) and Influent (680-143960-4) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/11/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498026.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBs

Samples Effluent (680-143960-1), Carbon A-1 (680-143960-2), Carbon B-1 (680-143960-3) and Influent (680-143960-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

The following samples contained an allowable number of surrogate compounds outside limits: Carbon A-1 (680-143960-2) and Carbon B-1 (680-143960-3). These results have been reported and qualified.

Sample Influent (680-143960-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143960-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143960-1	Effluent	Water	10/03/17 16:43	10/05/17 09:05
680-143960-2	Carbon A-1	Water	10/03/17 16:52	10/05/17 09:05
680-143960-3	Carbon B-1	Water	10/03/17 16:57	10/05/17 09:05
680-143960-4	Influent	Water	10/03/17 17:07	10/05/17 09:05

Method Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143960-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143960-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Client Sample ID: Effluent

Date Collected: 10/03/17 16:43

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143960-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					10/11/17 11:48	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					10/11/17 11:48	1
Dibromofluoromethane (Surr)	100		80 - 122					10/11/17 11:48	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 11:48	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0069	ug/L		10/06/17 16:30	10/09/17 15:03	1
alpha-BHC	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 15:03	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/06/17 16:30	10/09/17 15:03	1
beta-BHC	0.028	J	0.048	0.011	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDE	0.048	U	0.048	0.0070	ug/L		10/06/17 16:30	10/09/17 15:03	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/06/17 16:30	10/09/17 15:03	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 15:03	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 15:03	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 15:03	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 15:03	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 15:03	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/06/17 16:30	10/09/17 15:03	1
Methoxychlor	0.048	U	0.048	0.0088	ug/L		10/06/17 16:30	10/09/17 15:03	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 130				10/06/17 16:30	10/09/17 15:03	1
Tetrachloro-m-xylene	39		39 - 130				10/06/17 16:30	10/09/17 15:03	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Client Sample ID: Carbon A-1

Lab Sample ID: 680-143960-2

Date Collected: 10/03/17 16:52

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 12:10	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 12:10	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 12:10	1
4-Bromofluorobenzene (Surr)	95		80 - 120					10/11/17 12:10	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/06/17 16:30	10/09/17 15:17	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:17	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 15:17	1
beta-BHC	0.037	J	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:17	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:17	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:17	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:17	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:17	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:17	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:17	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:17	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:17	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 130				10/06/17 16:30	10/09/17 15:17	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 15:17	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Client Sample ID: Carbon B-1

Lab Sample ID: 680-143960-3

Date Collected: 10/03/17 16:57

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 12:33	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 12:33	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 12:33	1
4-Bromofluorobenzene (Surr)	95		80 - 120					10/11/17 12:33	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/06/17 16:30	10/09/17 15:32	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:32	1
alpha-Chlordane	0.047	U	0.047	0.0093	ug/L		10/06/17 16:30	10/09/17 15:32	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:32	1
4,4'-DDT	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:32	1
Dieldrin	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan I	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan II	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endosulfan sulfate	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:32	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:32	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:32	1
gamma-Chlordane	0.047	U	0.047	0.0079	ug/L		10/06/17 16:30	10/09/17 15:32	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:32	1
Heptachlor epoxide	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 15:32	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:32	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		10 - 130				10/06/17 16:30	10/09/17 15:32	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 15:32	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Client Sample ID: Influent

Lab Sample ID: 680-143960-4

Date Collected: 10/03/17 17:07

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120					10/11/17 16:43	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 16:43	1
Dibromofluoromethane (Surr)	99		80 - 122					10/11/17 16:43	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 16:43	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 15:46	1
alpha-BHC	0.030	J	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 15:46	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 15:46	1
beta-BHC	2.0		0.24	0.056	ug/L		10/06/17 16:30	10/09/17 17:52	5
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 15:46	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 15:46	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
delta-BHC	0.34		0.047	0.012	ug/L		10/06/17 16:30	10/09/17 15:46	1
Dieldrin	0.33		0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 15:46	1
Endrin ketone	0.22		0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 15:46	1
gamma-BHC (Lindane)	0.030	J	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 15:46	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 15:46	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 15:46	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 15:46	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 15:46	1
Toxaphene	4.1	J p	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	28	p	10 - 130				10/06/17 16:30	10/09/17 15:46	1
Tetrachloro-m-xylene	39		39 - 130				10/06/17 16:30	10/09/17 15:46	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498026/8

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 10:02	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					10/11/17 10:02	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131					10/11/17 10:02	1
Dibromofluoromethane (Surr)	97		80 - 122					10/11/17 10:02	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 10:02	1

Lab Sample ID: LCS 680-498026/3

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	49.7		ug/L		99	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
1,2-Dichloroethane-d4 (Surr)	94		73 - 131				
Dibromofluoromethane (Surr)	97		80 - 122				
4-Bromofluorobenzene (Surr)	95		80 - 120				

Lab Sample ID: LCSD 680-498026/4

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		80 - 120						
1,2-Dichloroethane-d4 (Surr)	96		73 - 131						
Dibromofluoromethane (Surr)	97		80 - 122						
4-Bromofluorobenzene (Surr)	94		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.013	U	0.013	0.0018	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/06/17 16:30	10/09/17 14:20	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130	10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130	10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0148		ug/L		59	48 - 130
alpha-BHC	0.0250	0.0177		ug/L		71	45 - 130
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 - 130
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130
4,4'-DDD	0.0250	0.0180		ug/L		72	52 - 130
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130
4,4'-DDT	0.0250	0.0165		ug/L		66	59 - 130
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130
Endosulfan I	0.0250	0.0155		ug/L		62	27 - 130
Endosulfan II	0.0250	0.0164		ug/L		66	39 - 130
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 - 130
Endrin	0.0250	0.0172		ug/L		69	62 - 131
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 - 130
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 - 145
Heptachlor	0.0250	0.0142		ug/L		57	49 - 130
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130
Methoxychlor	0.0250	0.0181		ug/L		72	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	61		10 - 130
Tetrachloro-m-xylene	48		39 - 130

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0156		ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186		ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181		ug/L		72	60 - 130	7	50
beta-BHC	0.0250	0.0186		ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184		ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166		ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170		ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191		ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182		ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165		ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167		ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178		ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175		ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181		ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206		ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186		ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176		ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146		ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183		ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183		ug/L		73	53 - 130	1	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	57		10 - 130
Tetrachloro-m-xylene	50		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

GC/MS VOA

Analysis Batch: 498026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	8260B	
680-143960-2	Carbon A-1	Total/NA	Water	8260B	
680-143960-3	Carbon B-1	Total/NA	Water	8260B	
680-143960-4	Influent	Total/NA	Water	8260B	
MB 680-498026/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498026/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498026/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	3520C	
680-143960-2	Carbon A-1	Total/NA	Water	3520C	
680-143960-3	Carbon B-1	Total/NA	Water	3520C	
680-143960-4	Influent	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-1	Effluent	Total/NA	Water	8081B/8082A	497556
680-143960-2	Carbon A-1	Total/NA	Water	8081B/8082A	497556
680-143960-3	Carbon B-1	Total/NA	Water	8081B/8082A	497556
680-143960-4	Influent	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Analysis Batch: 497723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143960-4	Influent	Total/NA	Water	8081B/8082A	497556

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143960-1

Client Sample ID: Effluent

Date Collected: 10/03/17 16:43

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143960-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 11:48	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:03	JCK	TAL SAV

Client Sample ID: Carbon A-1

Date Collected: 10/03/17 16:52

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143960-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 12:10	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:17	JCK	TAL SAV

Client Sample ID: Carbon B-1

Date Collected: 10/03/17 16:57

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143960-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 12:33	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:32	JCK	TAL SAV

Client Sample ID: Influent

Date Collected: 10/03/17 17:07

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143960-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 16:43	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 15:46	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 17:52	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143960-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

TestAmerica

☒ **TestAmerica Savannah**
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

[illegible]

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-143960-1

Login Number: 143960

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-144021-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

10/19/2017 11:51:59 AM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Job ID: 680-144021-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-144021-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/6/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 2.9° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-16D (680-144021-2), MW-17D (680-144021-3), MW-18D (680-144021-4) and DUP 2 (680-144021-8) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/17/2017.

Sample MW-17D (680-144021-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-6S (680-144021-1), MW-18D (680-144021-4), PZ-3 (680-144021-5), PZ-2 (680-144021-6), MW-39L (680-144021-7) and DUP 2 (680-144021-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/10/2017 and analyzed on 10/11/2017 and 10/12/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497861.

The following sample contained an allowable number of surrogate compounds outside limits: MW-18D (680-144021-4). These results have been reported and qualified.

Sample MW-6S (680-144021-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144021-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144021-1	MW-6S	Water	10/04/17 13:33	10/06/17 09:00
680-144021-2	MW-16D	Water	10/04/17 10:57	10/06/17 09:00
680-144021-3	MW-17D	Water	10/04/17 12:09	10/06/17 09:00
680-144021-4	MW-18D	Water	10/04/17 14:00	10/06/17 09:00
680-144021-5	PZ-3	Water	10/04/17 15:10	10/06/17 09:00
680-144021-6	PZ-2	Water	10/04/17 14:49	10/06/17 09:00
680-144021-7	MW-39L	Water	10/04/17 16:40	10/06/17 09:00
680-144021-8	DUP 2	Water	10/04/17 14:02	10/06/17 09:00

Method Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144021-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144021-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-6S

Lab Sample ID: 680-144021-1

Date Collected: 10/04/17 13:33

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		10/10/17 14:50	10/11/17 21:32	1
alpha-BHC	0.028	J	0.049	0.0076	ug/L		10/10/17 14:50	10/11/17 21:32	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/10/17 14:50	10/11/17 21:32	1
beta-BHC	2.4		0.24	0.059	ug/L		10/10/17 14:50	10/12/17 16:45	5
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		10/10/17 14:50	10/11/17 21:32	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		10/10/17 14:50	10/11/17 21:32	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
delta-BHC	0.16		0.049	0.013	ug/L		10/10/17 14:50	10/11/17 21:32	1
Dieldrin	0.25		0.049	0.0084	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin	0.049	U	0.049	0.0086	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/10/17 14:50	10/11/17 21:32	1
Endrin ketone	0.20		0.049	0.0087	ug/L		10/10/17 14:50	10/11/17 21:32	1
gamma-BHC (Lindane)	0.047	J	0.049	0.0081	ug/L		10/10/17 14:50	10/11/17 21:32	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		10/10/17 14:50	10/11/17 21:32	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		10/10/17 14:50	10/11/17 21:32	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		10/10/17 14:50	10/11/17 21:32	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		10/10/17 14:50	10/11/17 21:32	1
Toxaphene	7.5		4.9	0.19	ug/L		10/10/17 14:50	10/11/17 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	27	p	10 - 130				10/10/17 14:50	10/11/17 21:32	1
Tetrachloro-m-xylene	40		39 - 130				10/10/17 14:50	10/11/17 21:32	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-16D

Lab Sample ID: 680-144021-2

Date Collected: 10/04/17 10:57

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	58		1.0	0.48	ug/L			10/17/17 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					10/17/17 11:26	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 11:26	1
Dibromofluoromethane (Surr)	98		80 - 122					10/17/17 11:26	1
4-Bromofluorobenzene (Surr)	96		80 - 120					10/17/17 11:26	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-17D

Lab Sample ID: 680-144021-3

Date Collected: 10/04/17 12:09

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	170		2.0	0.96	ug/L			10/17/17 11:49	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					10/17/17 11:49	2
1,2-Dichloroethane-d4 (Surr)	110		73 - 131					10/17/17 11:49	2
Dibromofluoromethane (Surr)	106		80 - 122					10/17/17 11:49	2
4-Bromofluorobenzene (Surr)	95		80 - 120					10/17/17 11:49	2

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-18D

Lab Sample ID: 680-144021-4

Date Collected: 10/04/17 14:00

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.58	J	1.0	0.48	ug/L			10/17/17 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120					10/17/17 14:06	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 14:06	1
Dibromofluoromethane (Surr)	97		80 - 122					10/17/17 14:06	1
4-Bromofluorobenzene (Surr)	96		80 - 120					10/17/17 14:06	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.055	U	0.055	0.0080	ug/L		10/10/17 14:50	10/11/17 21:46	1
alpha-BHC	0.020	J	0.055	0.0085	ug/L		10/10/17 14:50	10/11/17 21:46	1
alpha-Chlordane	0.055	U	0.055	0.011	ug/L		10/10/17 14:50	10/11/17 21:46	1
beta-BHC	0.41		0.055	0.013	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDD	0.055	U	0.055	0.0084	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDE	0.055	U	0.055	0.0081	ug/L		10/10/17 14:50	10/11/17 21:46	1
4,4'-DDT	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
delta-BHC	0.052	J	0.055	0.014	ug/L		10/10/17 14:50	10/11/17 21:46	1
Dieldrin	0.10		0.055	0.0094	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan I	0.055	U	0.055	0.0090	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan II	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endosulfan sulfate	0.055	U	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin	0.055	U	0.055	0.0096	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin aldehyde	0.055	U	0.055	0.019	ug/L		10/10/17 14:50	10/11/17 21:46	1
Endrin ketone	0.066		0.055	0.0097	ug/L		10/10/17 14:50	10/11/17 21:46	1
gamma-BHC (Lindane)	0.025	J	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 21:46	1
gamma-Chlordane	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 21:46	1
Heptachlor	0.055	U	0.055	0.0087	ug/L		10/10/17 14:50	10/11/17 21:46	1
Heptachlor epoxide	0.0090	J p	0.055	0.0089	ug/L		10/10/17 14:50	10/11/17 21:46	1
Methoxychlor	0.055	U	0.055	0.010	ug/L		10/10/17 14:50	10/11/17 21:46	1
Toxaphene	2.5	J	5.5	0.21	ug/L		10/10/17 14:50	10/11/17 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 130				10/10/17 14:50	10/11/17 21:46	1
Tetrachloro-m-xylene	35	X	39 - 130				10/10/17 14:50	10/11/17 21:46	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: PZ-3

Lab Sample ID: 680-144021-5

Date Collected: 10/04/17 15:10

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/10/17 14:50	10/11/17 22:00	1
alpha-BHC	0.15		0.052	0.0081	ug/L		10/10/17 14:50	10/11/17 22:00	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/10/17 14:50	10/11/17 22:00	1
beta-BHC	0.064		0.052	0.012	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/10/17 14:50	10/11/17 22:00	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
delta-BHC	0.098		0.052	0.013	ug/L		10/10/17 14:50	10/11/17 22:00	1
Dieldrin	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/10/17 14:50	10/11/17 22:00	1
Endrin ketone	0.052	U	0.052	0.0092	ug/L		10/10/17 14:50	10/11/17 22:00	1
gamma-BHC (Lindane)	0.10		0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:00	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/10/17 14:50	10/11/17 22:00	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/10/17 14:50	10/11/17 22:00	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/10/17 14:50	10/11/17 22:00	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/10/17 14:50	10/11/17 22:00	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/10/17 14:50	10/11/17 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/10/17 14:50	10/11/17 22:00	1
Tetrachloro-m-xylene	41		39 - 130				10/10/17 14:50	10/11/17 22:00	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: PZ-2

Lab Sample ID: 680-144021-6

Date Collected: 10/04/17 14:49

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.055	U	0.055	0.0080	ug/L		10/10/17 14:50	10/11/17 22:15	1
alpha-BHC	0.21		0.055	0.0085	ug/L		10/10/17 14:50	10/11/17 22:15	1
alpha-Chlordane	0.055	U	0.055	0.011	ug/L		10/10/17 14:50	10/11/17 22:15	1
beta-BHC	0.13		0.055	0.013	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDD	0.055	U	0.055	0.0084	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDE	0.055	U	0.055	0.0081	ug/L		10/10/17 14:50	10/11/17 22:15	1
4,4'-DDT	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
delta-BHC	0.17		0.055	0.014	ug/L		10/10/17 14:50	10/11/17 22:15	1
Dieldrin	0.012	J	0.055	0.0094	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan I	0.055	U	0.055	0.0090	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan II	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endosulfan sulfate	0.055	U	0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin	0.055	U	0.055	0.0096	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin aldehyde	0.055	U	0.055	0.019	ug/L		10/10/17 14:50	10/11/17 22:15	1
Endrin ketone	0.012	J	0.055	0.0097	ug/L		10/10/17 14:50	10/11/17 22:15	1
gamma-BHC (Lindane)	0.13		0.055	0.0091	ug/L		10/10/17 14:50	10/11/17 22:15	1
gamma-Chlordane	0.055	U	0.055	0.0093	ug/L		10/10/17 14:50	10/11/17 22:15	1
Heptachlor	0.055	U	0.055	0.0086	ug/L		10/10/17 14:50	10/11/17 22:15	1
Heptachlor epoxide	0.055	U	0.055	0.0089	ug/L		10/10/17 14:50	10/11/17 22:15	1
Methoxychlor	0.055	U	0.055	0.010	ug/L		10/10/17 14:50	10/11/17 22:15	1
Toxaphene	5.5	U	5.5	0.21	ug/L		10/10/17 14:50	10/11/17 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 130				10/10/17 14:50	10/11/17 22:15	1
Tetrachloro-m-xylene	40		39 - 130				10/10/17 14:50	10/11/17 22:15	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-39L

Lab Sample ID: 680-144021-7

Date Collected: 10/04/17 16:40

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/10/17 14:50	10/11/17 22:29	1
alpha-BHC	0.052	U	0.052	0.0082	ug/L		10/10/17 14:50	10/11/17 22:29	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/10/17 14:50	10/11/17 22:29	1
beta-BHC	0.052	U	0.052	0.013	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDD	0.052	U	0.052	0.0081	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/10/17 14:50	10/11/17 22:29	1
4,4'-DDT	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
delta-BHC	0.052	U	0.052	0.014	ug/L		10/10/17 14:50	10/11/17 22:29	1
Dieldrin	0.052	U	0.052	0.0090	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan I	0.052	U	0.052	0.0086	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan II	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endosulfan sulfate	0.052	U	0.052	0.0087	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin	0.052	U	0.052	0.0092	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/10/17 14:50	10/11/17 22:29	1
Endrin ketone	0.052	U	0.052	0.0093	ug/L		10/10/17 14:50	10/11/17 22:29	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0087	ug/L		10/10/17 14:50	10/11/17 22:29	1
gamma-Chlordane	0.052	U	0.052	0.0089	ug/L		10/10/17 14:50	10/11/17 22:29	1
Heptachlor	0.052	U	0.052	0.0083	ug/L		10/10/17 14:50	10/11/17 22:29	1
Heptachlor epoxide	0.052	U	0.052	0.0085	ug/L		10/10/17 14:50	10/11/17 22:29	1
Methoxychlor	0.052	U	0.052	0.0097	ug/L		10/10/17 14:50	10/11/17 22:29	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/10/17 14:50	10/11/17 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				10/10/17 14:50	10/11/17 22:29	1
Tetrachloro-m-xylene	44		39 - 130				10/10/17 14:50	10/11/17 22:29	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: DUP 2

Date Collected: 10/04/17 14:02

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.59	J	1.0	0.48	ug/L			10/17/17 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					10/17/17 12:35	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 12:35	1
Dibromofluoromethane (Surr)	98		80 - 122					10/17/17 12:35	1
4-Bromofluorobenzene (Surr)	94		80 - 120					10/17/17 12:35	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0074	ug/L		10/10/17 14:50	10/11/17 22:43	1
alpha-BHC	0.024	J	0.050	0.0079	ug/L		10/10/17 14:50	10/11/17 22:43	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/10/17 14:50	10/11/17 22:43	1
beta-BHC	0.42		0.050	0.012	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDD	0.050	U	0.050	0.0078	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDE	0.050	U	0.050	0.0075	ug/L		10/10/17 14:50	10/11/17 22:43	1
4,4'-DDT	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
delta-BHC	0.058		0.050	0.013	ug/L		10/10/17 14:50	10/11/17 22:43	1
Dieldrin	0.11		0.050	0.0087	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan I	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan II	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endosulfan sulfate	0.050	U	0.050	0.0084	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin	0.050	U	0.050	0.0089	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/10/17 14:50	10/11/17 22:43	1
Endrin ketone	0.066		0.050	0.0090	ug/L		10/10/17 14:50	10/11/17 22:43	1
gamma-BHC (Lindane)	0.025	J	0.050	0.0084	ug/L		10/10/17 14:50	10/11/17 22:43	1
gamma-Chlordane	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 22:43	1
Heptachlor	0.050	U	0.050	0.0080	ug/L		10/10/17 14:50	10/11/17 22:43	1
Heptachlor epoxide	0.0093	J p	0.050	0.0082	ug/L		10/10/17 14:50	10/11/17 22:43	1
Methoxychlor	0.050	U	0.050	0.0094	ug/L		10/10/17 14:50	10/11/17 22:43	1
Toxaphene	2.5	J	5.0	0.19	ug/L		10/10/17 14:50	10/11/17 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		10 - 130				10/10/17 14:50	10/11/17 22:43	1
Tetrachloro-m-xylene	43		39 - 130				10/10/17 14:50	10/11/17 22:43	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498751/8

Matrix: Water

Analysis Batch: 498751

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/17/17 09:44	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					10/17/17 09:44	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					10/17/17 09:44	1
Dibromofluoromethane (Surr)	98		80 - 122					10/17/17 09:44	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/17/17 09:44	1

Lab Sample ID: LCS 680-498751/3

Matrix: Water

Analysis Batch: 498751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	50.1		ug/L		100	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	96		80 - 120				
1,2-Dichloroethane-d4 (Surr)	93		73 - 131				
Dibromofluoromethane (Surr)	99		80 - 122				
4-Bromofluorobenzene (Surr)	97		80 - 120				

Lab Sample ID: LCSD 680-498751/4

Matrix: Water

Analysis Batch: 498751

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	48.9		ug/L		98	80 - 120	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	95		80 - 120						
1,2-Dichloroethane-d4 (Surr)	93		73 - 131						
Dibromofluoromethane (Surr)	98		80 - 122						
4-Bromofluorobenzene (Surr)	98		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497861/7-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/10/17 14:50	10/11/17 20:49	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		10/10/17 14:50	10/11/17 20:49	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/10/17 14:50	10/11/17 20:49	1
beta-BHC	0.050	U	0.050	0.012	ug/L		10/10/17 14:50	10/11/17 20:49	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/10/17 14:50	10/11/17 20:49	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-497861/7-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/10/17 14:50	10/11/17 20:49	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
delta-BHC	0.050	U	0.050	0.013	ug/L		10/10/17 14:50	10/11/17 20:49	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/10/17 14:50	10/11/17 20:49	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		10/10/17 14:50	10/11/17 20:49	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		10/10/17 14:50	10/11/17 20:49	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/10/17 14:50	10/11/17 20:49	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/10/17 14:50	10/11/17 20:49	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/10/17 14:50	10/11/17 20:49	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/10/17 14:50	10/11/17 20:49	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/10/17 14:50	10/11/17 20:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		10 - 130	10/10/17 14:50	10/11/17 20:49	1
Tetrachloro-m-xylene	53		39 - 130	10/10/17 14:50	10/11/17 20:49	1

Lab Sample ID: LCS 680-497861/8-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.100	0.0593		ug/L		59	48 - 130
alpha-BHC	0.100	0.0642		ug/L		64	45 - 130
alpha-Chlordane	0.100	0.0676		ug/L		68	60 - 130
beta-BHC	0.100	0.0692		ug/L		69	50 - 130
4,4'-DDD	0.100	0.0753		ug/L		75	52 - 130
4,4'-DDE	0.100	0.0672		ug/L		67	48 - 130
4,4'-DDT	0.100	0.0686		ug/L		69	59 - 130
delta-BHC	0.100	0.0706		ug/L		71	47 - 140
Dieldrin	0.100	0.0681		ug/L		68	55 - 130
Endosulfan I	0.100	0.0579		ug/L		58	27 - 130
Endosulfan II	0.100	0.0628		ug/L		63	39 - 130
Endosulfan sulfate	0.100	0.0725		ug/L		73	57 - 130
Endrin	0.100	0.0703		ug/L		70	62 - 131
Endrin aldehyde	0.100	0.0756		ug/L		76	39 - 177
Endrin ketone	0.100	0.0816		ug/L		82	47 - 130
gamma-BHC (Lindane)	0.100	0.0661		ug/L		66	47 - 130
gamma-Chlordane	0.100	0.0663		ug/L		66	50 - 145
Heptachlor	0.100	0.0587		ug/L		59	49 - 130
Heptachlor epoxide	0.100	0.0669		ug/L		67	54 - 130
Methoxychlor	0.100	0.0834		ug/L		83	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497861/8-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497861

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	62		10 - 130
Tetrachloro-m-xylene	45		39 - 130

Lab Sample ID: LCSD 680-497861/9-A

Matrix: Water

Analysis Batch: 498168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.100	0.0555		ug/L		56	48 - 130	7	40
alpha-BHC	0.100	0.0627		ug/L		63	45 - 130	2	30
alpha-Chlordane	0.100	0.0683		ug/L		68	60 - 130	1	50
beta-BHC	0.100	0.0699		ug/L		70	50 - 130	1	40
4,4'-DDD	0.100	0.0800		ug/L		80	52 - 130	6	40
4,4'-DDE	0.100	0.0670		ug/L		67	48 - 130	0	30
4,4'-DDT	0.100	0.0727		ug/L		73	59 - 130	6	40
delta-BHC	0.100	0.0718		ug/L		72	47 - 140	2	30
Dieldrin	0.100	0.0713		ug/L		71	55 - 130	5	30
Endosulfan I	0.100	0.0598		ug/L		60	27 - 130	3	30
Endosulfan II	0.100	0.0681		ug/L		68	39 - 130	8	30
Endosulfan sulfate	0.100	0.0795		ug/L		80	57 - 130	9	40
Endrin	0.100	0.0727		ug/L		73	62 - 131	3	30
Endrin aldehyde	0.100	0.104		ug/L		104	39 - 177	31	40
Endrin ketone	0.100	0.0917		ug/L		92	47 - 130	12	40
gamma-BHC (Lindane)	0.100	0.0709		ug/L		71	47 - 130	7	30
gamma-Chlordane	0.100	0.0677		ug/L		68	50 - 145	2	50
Heptachlor	0.100	0.0558		ug/L		56	49 - 130	5	30
Heptachlor epoxide	0.100	0.0689		ug/L		69	54 - 130	3	40
Methoxychlor	0.100	0.0844		ug/L		84	53 - 130	1	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	63		10 - 130
Tetrachloro-m-xylene	44		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

GC/MS VOA

Analysis Batch: 498751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-2	MW-16D	Total/NA	Water	8260B	
680-144021-3	MW-17D	Total/NA	Water	8260B	
680-144021-4	MW-18D	Total/NA	Water	8260B	
680-144021-8	DUP 2	Total/NA	Water	8260B	
MB 680-498751/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498751/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498751/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	3520C	
680-144021-4	MW-18D	Total/NA	Water	3520C	
680-144021-5	PZ-3	Total/NA	Water	3520C	
680-144021-6	PZ-2	Total/NA	Water	3520C	
680-144021-7	MW-39L	Total/NA	Water	3520C	
680-144021-8	DUP 2	Total/NA	Water	3520C	
MB 680-497861/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497861/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497861/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 498168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	8081B/8082A	497861
680-144021-4	MW-18D	Total/NA	Water	8081B/8082A	497861
680-144021-5	PZ-3	Total/NA	Water	8081B/8082A	497861
680-144021-6	PZ-2	Total/NA	Water	8081B/8082A	497861
680-144021-7	MW-39L	Total/NA	Water	8081B/8082A	497861
680-144021-8	DUP 2	Total/NA	Water	8081B/8082A	497861
MB 680-497861/7-A	Method Blank	Total/NA	Water	8081B/8082A	497861
LCS 680-497861/8-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497861
LCSD 680-497861/9-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497861

Analysis Batch: 498285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144021-1	MW-6S	Total/NA	Water	8081B/8082A	497861

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: MW-6S

Date Collected: 10/04/17 13:33

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 21:32	JCK	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	498285	10/12/17 16:45	JCK	TAL SAV

Client Sample ID: MW-16D

Date Collected: 10/04/17 10:57

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498751	10/17/17 11:26	CMB	TAL SAV

Client Sample ID: MW-17D

Date Collected: 10/04/17 12:09

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	498751	10/17/17 11:49	CMB	TAL SAV

Client Sample ID: MW-18D

Date Collected: 10/04/17 14:00

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498751	10/17/17 14:06	CMB	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 21:46	JCK	TAL SAV

Client Sample ID: PZ-3

Date Collected: 10/04/17 15:10

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:00	JCK	TAL SAV

Client Sample ID: PZ-2

Date Collected: 10/04/17 14:49

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144021-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144021-1

Client Sample ID: PZ-2

Lab Sample ID: 680-144021-6

Date Collected: 10/04/17 14:49

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:15	JCK	TAL SAV

Client Sample ID: MW-39L

Lab Sample ID: 680-144021-7

Date Collected: 10/04/17 16:40

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:29	JCK	TAL SAV

Client Sample ID: DUP 2

Lab Sample ID: 680-144021-8

Date Collected: 10/04/17 14:02

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498751	10/17/17 12:35	CMB	TAL SAV
Total/NA	Prep	3520C			497861	10/10/17 14:50	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498168	10/11/17 22:43	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144021-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

Chain of Custody Record

Client Information		Sampler: <u>Annamene Blaser</u>		Lab PM: Kersey, Michele R		Carrier Tracking No(s):		COC No: 680-86756-35154.4	
Client Contact: Chris Hay		Phone: (336) 763-6025		E-Mail: michele.kersey@testamericainc.com				Page: Page 4 of 7	
Company: EnviroTrac, Ltd.				Analysis Requested					
Address: 7343 W. Friendly Avenue Suite J									
City: Greensboro				Preservation Codes:					
State, Zip: NC, 27410									
Phone: (336) 763-6025				Other:					
Email: christopherh@envirotrac.com									
Project Name: Geigy Chemical Corp.				Special Instructions/Note:					
Site: Geigy 11.99090.00									
Due Date Requested:		TAT Requested (days):		Total Number of containers					
		standard							
PO #: REGS0004		WO #:		Field Filtered Sample (Yes or No)					
Project #: 68006251		SSOW#:							
Field Filtered Sample (Yes or No)		Perform: MS/MSD (Yes or No)		8081B_8082A - (MOD) Routine Pesticides					
8081B_8082A - (MOD) Routine Pesticides		8260B - (MOD) TCL Sublist							
1602 - Local Method		1602 - Local Method		1602 - Local Method					
1602 - Local Method		1602 - Local Method							
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	
Preservation Code:		N		A		N		N	
mw-6S		10/4/17		13:33		G		Water	
mw-16D		10:57		G		Water		Water	
mw-17D		12:09		G		Water		Water	
mw-18D		14:00		G		Water		Water	
PZ-3		15:10		G		Water		Water	
PZ-2		14:49		G		Water		Water	
mw-39L		16:40		G		Water		Water	
Dup 2		14:02		G		Water		Water	
Water		Water		Water		Water		Water	
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Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-144021-1

Login Number: 144021

List Source: TestAmerica Savannah

List Number: 1

Creator: Chamberlain, Kim A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-143980-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

10/13/2017 1:53:31 PM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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results through

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Job ID: 680-143980-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143980-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5° C, 3.4° C, 4.0° C and 4.1° C.

Receipt Exceptions

The following samples was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): MW-4S (680-143980-1), MW-5S (680-143980-2), MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8)

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/11/2017 and 10/12/2017.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498026.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-498113.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-4S (680-143980-1), MW-5S (680-143980-2), MW-10S (680-143980-3), MW-30D (680-143980-4), MW-11D (680-143980-5), MW-18S (680-143980-6), Dup (680-143980-7) and MW-17S (680-143980-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-4S (680-143980-1), MW-5S (680-143980-2) and MW-10S (680-143980-3). These results have been reported and qualified.

Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Job ID: 680-143980-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Samples MW-5S (680-143980-2)[5X], MW-30D (680-143980-4)[5X], MW-11D (680-143980-5)[5X] and Dup (680-143980-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143980-1	MW-4S	Water	10/03/17 16:06	10/05/17 09:05
680-143980-2	MW-5S	Water	10/03/17 14:57	10/05/17 09:05
680-143980-3	MW-10S	Water	10/03/17 14:01	10/05/17 09:05
680-143980-4	MW-30D	Water	10/03/17 13:12	10/05/17 09:05
680-143980-5	MW-11D	Water	10/03/17 12:12	10/05/17 09:05
680-143980-6	MW-18S	Water	10/03/17 11:29	10/05/17 09:05
680-143980-7	Dup	Water	10/03/17 12:14	10/05/17 09:05
680-143980-8	MW-17S	Water	10/03/17 10:54	10/05/17 09:05

Method Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-4S

Lab Sample ID: 680-143980-1

Date Collected: 10/03/17 16:06

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:05	1
alpha-BHC	0.052	U	0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:05	1
alpha-Chlordane	0.15	p	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:05	1
beta-BHC	0.052	U	0.052	0.012	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:05	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
delta-BHC	0.052	U	0.052	0.014	ug/L		10/06/17 16:30	10/09/17 16:05	1
Dieldrin	0.052	U	0.052	0.0090	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin	0.052	U	0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:05	1
Endrin ketone	0.052	U	0.052	0.0093	ug/L		10/06/17 16:30	10/09/17 16:05	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:05	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:05	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:05	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:05	1
Methoxychlor	0.052	U	0.052	0.0097	ug/L		10/06/17 16:30	10/09/17 16:05	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	30	p	10 - 130				10/06/17 16:30	10/09/17 16:05	1
Tetrachloro-m-xylene	34	X	39 - 130				10/06/17 16:30	10/09/17 16:05	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-5S

Lab Sample ID: 680-143980-2

Date Collected: 10/03/17 14:57

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.053	U	0.053	0.0077	ug/L		10/06/17 16:30	10/09/17 16:19	1
alpha-BHC	0.023	J	0.053	0.0083	ug/L		10/06/17 16:30	10/09/17 16:19	1
alpha-Chlordane	0.053	U	0.053	0.011	ug/L		10/06/17 16:30	10/09/17 16:19	1
beta-BHC	2.8		0.26	0.064	ug/L		10/06/17 16:30	10/09/17 18:08	5
4,4'-DDD	0.053	U	0.053	0.0081	ug/L		10/06/17 16:30	10/09/17 16:19	1
4,4'-DDE	0.053	U	0.053	0.0078	ug/L		10/06/17 16:30	10/09/17 16:19	1
4,4'-DDT	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
delta-BHC	0.14		0.053	0.014	ug/L		10/06/17 16:30	10/09/17 16:19	1
Dieldrin	0.75		0.053	0.0091	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan I	0.053	U	0.053	0.0087	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan II	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endosulfan sulfate	0.053	U	0.053	0.0088	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin	0.053	U	0.053	0.0093	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin aldehyde	0.053	U	0.053	0.018	ug/L		10/06/17 16:30	10/09/17 16:19	1
Endrin ketone	0.50		0.053	0.0094	ug/L		10/06/17 16:30	10/09/17 16:19	1
gamma-BHC (Lindane)	0.022	J p	0.053	0.0088	ug/L		10/06/17 16:30	10/09/17 16:19	1
gamma-Chlordane	0.053	U	0.053	0.0090	ug/L		10/06/17 16:30	10/09/17 16:19	1
Heptachlor	0.053	U	0.053	0.0084	ug/L		10/06/17 16:30	10/09/17 16:19	1
Heptachlor epoxide	0.053	U	0.053	0.0086	ug/L		10/06/17 16:30	10/09/17 16:19	1
Methoxychlor	0.053	U	0.053	0.0098	ug/L		10/06/17 16:30	10/09/17 16:19	1
Toxaphene	6.9	p	5.3	0.20	ug/L		10/06/17 16:30	10/09/17 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	34	p	10 - 130				10/06/17 16:30	10/09/17 16:19	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 16:19	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-10S

Lab Sample ID: 680-143980-3

Date Collected: 10/03/17 14:01

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					10/11/17 17:06	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:06	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 17:06	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 17:06	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0074	ug/L		10/06/17 16:30	10/09/17 16:33	1
alpha-BHC	0.051	U	0.051	0.0079	ug/L		10/06/17 16:30	10/09/17 16:33	1
alpha-Chlordane	0.051	U	0.051	0.010	ug/L		10/06/17 16:30	10/09/17 16:33	1
beta-BHC	0.078		0.051	0.012	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDD	0.051	U	0.051	0.0078	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDE	0.051	U	0.051	0.0075	ug/L		10/06/17 16:30	10/09/17 16:33	1
4,4'-DDT	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
delta-BHC	0.051	U	0.051	0.013	ug/L		10/06/17 16:30	10/09/17 16:33	1
Dieldrin	0.051	U	0.051	0.0088	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan I	0.051	U	0.051	0.0084	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan II	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endosulfan sulfate	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin	0.051	U	0.051	0.0090	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin aldehyde	0.051	U	0.051	0.017	ug/L		10/06/17 16:30	10/09/17 16:33	1
Endrin ketone	0.021	J	0.051	0.0091	ug/L		10/06/17 16:30	10/09/17 16:33	1
gamma-BHC (Lindane)	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:33	1
gamma-Chlordane	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:33	1
Heptachlor	0.051	U	0.051	0.0081	ug/L		10/06/17 16:30	10/09/17 16:33	1
Heptachlor epoxide	0.051	U	0.051	0.0083	ug/L		10/06/17 16:30	10/09/17 16:33	1
Methoxychlor	0.051	U	0.051	0.0095	ug/L		10/06/17 16:30	10/09/17 16:33	1
Toxaphene	5.1	U	5.1	0.19	ug/L		10/06/17 16:30	10/09/17 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	25	p	10 - 130				10/06/17 16:30	10/09/17 16:33	1
Tetrachloro-m-xylene	36	X	39 - 130				10/06/17 16:30	10/09/17 16:33	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-30D

Lab Sample ID: 680-143980-4

Date Collected: 10/03/17 13:12

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.5		1.0	0.48	ug/L			10/11/17 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					10/11/17 17:29	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:29	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 17:29	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 17:29	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:25	1
alpha-BHC	0.11		0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:25	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:25	1
beta-BHC	2.1		0.26	0.062	ug/L		10/06/17 16:30	10/09/17 18:25	5
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:25	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:25	1
4,4'-DDT	0.055		0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
delta-BHC	0.24		0.052	0.013	ug/L		10/06/17 16:30	10/09/17 16:25	1
Dieldrin	0.26		0.052	0.0089	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:25	1
Endrin ketone	0.26		0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:25	1
gamma-BHC (Lindane)	0.061		0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:25	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:25	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:25	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:25	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/06/17 16:30	10/09/17 16:25	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/06/17 16:30	10/09/17 16:25	1
Tetrachloro-m-xylene	37	X	39 - 130				10/06/17 16:30	10/09/17 16:25	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-11D

Lab Sample ID: 680-143980-5

Date Collected: 10/03/17 12:12

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					10/11/17 17:52	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 17:52	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 17:52	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 17:52	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0075	ug/L		10/06/17 16:30	10/09/17 16:42	1
alpha-BHC	0.016	J p	0.051	0.0080	ug/L		10/06/17 16:30	10/09/17 16:42	1
alpha-Chlordane	0.051	U	0.051	0.010	ug/L		10/06/17 16:30	10/09/17 16:42	1
beta-BHC	0.96		0.26	0.062	ug/L		10/06/17 16:30	10/09/17 18:41	5
4,4'-DDD	0.051	U	0.051	0.0079	ug/L		10/06/17 16:30	10/09/17 16:42	1
4,4'-DDE	0.051	U	0.051	0.0076	ug/L		10/06/17 16:30	10/09/17 16:42	1
4,4'-DDT	0.018	J	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
delta-BHC	0.051	U	0.051	0.013	ug/L		10/06/17 16:30	10/09/17 16:42	1
Dieldrin	0.051	U	0.051	0.0088	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan I	0.051	U	0.051	0.0084	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan II	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endosulfan sulfate	0.051	U	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin	0.051	U	0.051	0.0090	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin aldehyde	0.051	U	0.051	0.017	ug/L		10/06/17 16:30	10/09/17 16:42	1
Endrin ketone	0.11		0.051	0.0091	ug/L		10/06/17 16:30	10/09/17 16:42	1
gamma-BHC (Lindane)	0.013	J	0.051	0.0085	ug/L		10/06/17 16:30	10/09/17 16:42	1
gamma-Chlordane	0.051	U	0.051	0.0087	ug/L		10/06/17 16:30	10/09/17 16:42	1
Heptachlor	0.051	U	0.051	0.0081	ug/L		10/06/17 16:30	10/09/17 16:42	1
Heptachlor epoxide	0.051	U	0.051	0.0083	ug/L		10/06/17 16:30	10/09/17 16:42	1
Methoxychlor	0.051	U	0.051	0.0095	ug/L		10/06/17 16:30	10/09/17 16:42	1
Toxaphene	5.1	U	5.1	0.19	ug/L		10/06/17 16:30	10/09/17 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		10 - 130				10/06/17 16:30	10/09/17 16:42	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 16:42	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-18S

Lab Sample ID: 680-143980-6

Date Collected: 10/03/17 11:29

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 18:15	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/11/17 18:15	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 18:15	1
4-Bromofluorobenzene (Surr)	94		80 - 120					10/11/17 18:15	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.052	U	0.052	0.0076	ug/L		10/06/17 16:30	10/09/17 16:58	1
alpha-BHC	0.052	U	0.052	0.0081	ug/L		10/06/17 16:30	10/09/17 16:58	1
alpha-Chlordane	0.052	U	0.052	0.010	ug/L		10/06/17 16:30	10/09/17 16:58	1
beta-BHC	0.052	U	0.052	0.012	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDD	0.052	U	0.052	0.0080	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDE	0.052	U	0.052	0.0077	ug/L		10/06/17 16:30	10/09/17 16:58	1
4,4'-DDT	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
delta-BHC	0.052	U	0.052	0.013	ug/L		10/06/17 16:30	10/09/17 16:58	1
Dieldrin	0.052	U	0.052	0.0089	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan I	0.052	U	0.052	0.0085	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan II	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endosulfan sulfate	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin	0.052	U	0.052	0.0091	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin aldehyde	0.052	U	0.052	0.018	ug/L		10/06/17 16:30	10/09/17 16:58	1
Endrin ketone	0.018	J	0.052	0.0092	ug/L		10/06/17 16:30	10/09/17 16:58	1
gamma-BHC (Lindane)	0.052	U	0.052	0.0086	ug/L		10/06/17 16:30	10/09/17 16:58	1
gamma-Chlordane	0.052	U	0.052	0.0088	ug/L		10/06/17 16:30	10/09/17 16:58	1
Heptachlor	0.052	U	0.052	0.0082	ug/L		10/06/17 16:30	10/09/17 16:58	1
Heptachlor epoxide	0.052	U	0.052	0.0084	ug/L		10/06/17 16:30	10/09/17 16:58	1
Methoxychlor	0.052	U	0.052	0.0096	ug/L		10/06/17 16:30	10/09/17 16:58	1
Toxaphene	5.2	U	5.2	0.20	ug/L		10/06/17 16:30	10/09/17 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 16:58	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 16:58	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: Dup

Date Collected: 10/03/17 12:14

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 23:55	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					10/11/17 23:55	1
Dibromofluoromethane (Surr)	98		80 - 122					10/11/17 23:55	1
4-Bromofluorobenzene (Surr)	99		80 - 120					10/11/17 23:55	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		10/06/17 16:30	10/09/17 17:15	1
alpha-BHC	0.015	J p	0.049	0.0077	ug/L		10/06/17 16:30	10/09/17 17:15	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/06/17 16:30	10/09/17 17:15	1
beta-BHC	0.95		0.25	0.059	ug/L		10/06/17 16:30	10/09/17 18:58	5
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		10/06/17 16:30	10/09/17 17:15	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		10/06/17 16:30	10/09/17 17:15	1
4,4'-DDT	0.0087	J p	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
delta-BHC	0.049	U	0.049	0.013	ug/L		10/06/17 16:30	10/09/17 17:15	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin	0.049	U	0.049	0.0086	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/06/17 16:30	10/09/17 17:15	1
Endrin ketone	0.094		0.049	0.0087	ug/L		10/06/17 16:30	10/09/17 17:15	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:15	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:15	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		10/06/17 16:30	10/09/17 17:15	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		10/06/17 16:30	10/09/17 17:15	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		10/06/17 16:30	10/09/17 17:15	1
Toxaphene	4.9	U	4.9	0.19	ug/L		10/06/17 16:30	10/09/17 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		10 - 130				10/06/17 16:30	10/09/17 17:15	1
Tetrachloro-m-xylene	33	X	39 - 130				10/06/17 16:30	10/09/17 17:15	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-17S

Lab Sample ID: 680-143980-8

Date Collected: 10/03/17 10:54

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/12/17 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/12/17 00:20	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131					10/12/17 00:20	1
Dibromofluoromethane (Surr)	98		80 - 122					10/12/17 00:20	1
4-Bromofluorobenzene (Surr)	97		80 - 120					10/12/17 00:20	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/06/17 16:30	10/09/17 17:31	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 17:31	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/06/17 16:30	10/09/17 17:31	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/06/17 16:30	10/09/17 17:31	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 17:31	1
Tetrachloro-m-xylene	38	X	39 - 130				10/06/17 16:30	10/09/17 17:31	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498026/8

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 10:02	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					10/11/17 10:02	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131					10/11/17 10:02	1
Dibromofluoromethane (Surr)	97		80 - 122					10/11/17 10:02	1
4-Bromofluorobenzene (Surr)	93		80 - 120					10/11/17 10:02	1

Lab Sample ID: LCS 680-498026/3

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	49.7		ug/L		99	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
1,2-Dichloroethane-d4 (Surr)	94		73 - 131				
Dibromofluoromethane (Surr)	97		80 - 122				
4-Bromofluorobenzene (Surr)	95		80 - 120				

Lab Sample ID: LCSD 680-498026/4

Matrix: Water

Analysis Batch: 498026

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		80 - 120						
1,2-Dichloroethane-d4 (Surr)	96		73 - 131						
Dibromofluoromethane (Surr)	97		80 - 122						
4-Bromofluorobenzene (Surr)	94		80 - 120						

Lab Sample ID: MB 680-498113/9

Matrix: Water

Analysis Batch: 498113

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/11/17 16:27	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120					10/11/17 16:27	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131					10/11/17 16:27	1
Dibromofluoromethane (Surr)	99		80 - 122					10/11/17 16:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120					10/11/17 16:27	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-498113/4

Matrix: Water

Analysis Batch: 498113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Trichloroethene			50.0	53.3		ug/L		107	80 - 120		
Surrogate		LCS	LCS								
		%Recovery	Qualifier	Limits							
	Toluene-d8 (Surr)	102		80 - 120							
	1,2-Dichloroethane-d4 (Surr)	100		73 - 131							
	Dibromofluoromethane (Surr)	103		80 - 122							
4-Bromofluorobenzene (Surr)	97		80 - 120								

Lab Sample ID: LCSD 680-498113/5

Matrix: Water

Analysis Batch: 498113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Date: 10/1/16												
Analyte				Spike	LCSD	LCSD				%Rec.	RPD	
				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Trichloroethene				50.0	52.9		ug/L	-	106	80 - 120	1	20
Surrogate	LCSD		LCSD	Limits								
	%Recovery	Qualifier										
Toluene-d8 (Surr)	101		80 - 120									
1,2-Dichloroethane-d4 (Surr)	97		73 - 131									
Dibromofluoromethane (Surr)	100		80 - 122									
4-Bromofluorobenzene (Surr)	95		80 - 120									

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.013	U	0.013	0.0018	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/06/17 16:30	10/09/17 14:20	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130	10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130	10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0148		ug/L		59	48 - 130
alpha-BHC	0.0250	0.0177		ug/L		71	45 - 130
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 - 130
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130
4,4'-DDD	0.0250	0.0180		ug/L		72	52 - 130
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130
4,4'-DDT	0.0250	0.0165		ug/L		66	59 - 130
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130
Endosulfan I	0.0250	0.0155		ug/L		62	27 - 130
Endosulfan II	0.0250	0.0164		ug/L		66	39 - 130
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 - 130
Endrin	0.0250	0.0172		ug/L		69	62 - 131
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 - 130
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 - 145
Heptachlor	0.0250	0.0142		ug/L		57	49 - 130
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130
Methoxychlor	0.0250	0.0181		ug/L		72	53 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	61		10 - 130
Tetrachloro-m-xylene	48		39 - 130

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0156		ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186		ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181		ug/L		72	60 - 130	7	50

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC	0.0250	0.0186		ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184		ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166		ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170		ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191		ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182		ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165		ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167		ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178		ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175		ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181		ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206		ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186		ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176		ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146		ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183		ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183		ug/L		73	53 - 130	1	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	57		10 - 130
Tetrachloro-m-xylene	50		39 - 130

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

GC/MS VOA

Analysis Batch: 498026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-3	MW-10S	Total/NA	Water	8260B	
680-143980-4	MW-30D	Total/NA	Water	8260B	
680-143980-5	MW-11D	Total/NA	Water	8260B	
680-143980-6	MW-18S	Total/NA	Water	8260B	
MB 680-498026/8	Method Blank	Total/NA	Water	8260B	
LCS 680-498026/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498026/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 498113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-7	Dup	Total/NA	Water	8260B	
680-143980-8	MW-17S	Total/NA	Water	8260B	
MB 680-498113/9	Method Blank	Total/NA	Water	8260B	
LCS 680-498113/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498113/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-1	MW-4S	Total/NA	Water	3520C	
680-143980-2	MW-5S	Total/NA	Water	3520C	
680-143980-3	MW-10S	Total/NA	Water	3520C	
680-143980-4	MW-30D	Total/NA	Water	3520C	
680-143980-5	MW-11D	Total/NA	Water	3520C	
680-143980-6	MW-18S	Total/NA	Water	3520C	
680-143980-7	Dup	Total/NA	Water	3520C	
680-143980-8	MW-17S	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-1	MW-4S	Total/NA	Water	8081B/8082A	497556
680-143980-2	MW-5S	Total/NA	Water	8081B/8082A	497556
680-143980-3	MW-10S	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Analysis Batch: 497723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-2	MW-5S	Total/NA	Water	8081B/8082A	497556
680-143980-4	MW-30D	Total/NA	Water	8081B/8082A	497556
680-143980-4	MW-30D	Total/NA	Water	8081B/8082A	497556
680-143980-5	MW-11D	Total/NA	Water	8081B/8082A	497556
680-143980-5	MW-11D	Total/NA	Water	8081B/8082A	497556
680-143980-6	MW-18S	Total/NA	Water	8081B/8082A	497556
680-143980-7	Dup	Total/NA	Water	8081B/8082A	497556

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

GC Semi VOA (Continued)

Analysis Batch: 497723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143980-7	Dup	Total/NA	Water	8081B/8082A	497556
680-143980-8	MW-17S	Total/NA	Water	8081B/8082A	497556

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-4S

Date Collected: 10/03/17 16:06

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:05	JCK	TAL SAV

Client Sample ID: MW-5S

Date Collected: 10/03/17 14:57

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:19	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:08	JCK	TAL SAV

Client Sample ID: MW-10S

Date Collected: 10/03/17 14:01

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:06	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:33	JCK	TAL SAV

Client Sample ID: MW-30D

Date Collected: 10/03/17 13:12

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:29	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 16:25	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:25	JCK	TAL SAV

Client Sample ID: MW-11D

Date Collected: 10/03/17 12:12

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143980-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 17:52	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 16:42	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143980-1

Client Sample ID: MW-11D

Lab Sample ID: 680-143980-5

Date Collected: 10/03/17 12:12

Matrix: Water

Date Received: 10/05/17 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:41	JCK	TAL SAV

Client Sample ID: MW-18S

Lab Sample ID: 680-143980-6

Date Collected: 10/03/17 11:29

Matrix: Water

Date Received: 10/05/17 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498026	10/11/17 18:15	UI	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 16:58	JCK	TAL SAV

Client Sample ID: Dup

Lab Sample ID: 680-143980-7

Date Collected: 10/03/17 12:14

Matrix: Water

Date Received: 10/05/17 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498113	10/11/17 23:55	CMB	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 17:15	JCK	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497723	10/09/17 18:58	JCK	TAL SAV

Client Sample ID: MW-17S

Lab Sample ID: 680-143980-8

Date Collected: 10/03/17 10:54

Matrix: Water

Date Received: 10/05/17 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498113	10/12/17 00:20	CMB	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497723	10/09/17 17:31	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143980-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

Chain of Custody Record

Client Information Client Contact: Chris Hay Company: EnviroTrac, Ltd. Address: 7343 W. Friendly Avenue Suite J City: Greensboro State, Zip: NC, 27410 Phone: (336) 763-6025 Email: christopherh@envirotrac.com Project Name: Geigy Chemical Corp. Site: Geigy 11.99010.00		Sampler: <i>Marianne Blauger</i>		Lab PM: Kersey, Michele R		Carrier Tracking No(s):		COC No: 680-86756-35154.3		
		Phone: <i>(336) 763 6025</i>		E-Mail: michele.kersey@testamericainc.com				Page: Page 3 of 7		
				Analysis Requested						
Due Date Requested:				<div style="display: flex; justify-content: space-between;"> <div>Field Filtered Sample (Yes or No)</div> <div>Perform MS/MSQ (Yes or No)</div> <div>8081B - 8082A - (MOD) Routine Pesticides</div> <div>8260B - (MOD) TCL Sublist</div> <div>180.2 - Local Method</div> </div>						
TAT Requested (days): <i>Standard</i>										
PO #: REGS0004										
WO #:										
Project #: 68006251				<div style="display: flex;"> <div style="flex: 1;"> Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) </div> <div style="flex: 1;"> Other: </div> </div>						
SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Number of containers				Special Instructions/Note:
						Preservation Code				
mw-4s		10/3/17	16:06	G	Water	X	N	A	N	
mw-5s			14:57		Water	X				
mw-10s			14:01		Water	X	X			
mw-30D			13:12		Water	X	X			
mw-11D			12:12		Water	X	X			
mw-18s			11:29		Water	X	X			
Dup			12:14		Water	X	X			
MW-17S BP10-6-17		10-3-17	10:54		Water	X	X			
		BP10-6-17	BP10-6-17		Water					
					Water					
					Water					

680-143980 Chain of Custody

182325 VIRGINIA BEACH

Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>Chris Hay</i>		Date/Time: <i>10/4/17 1630</i>		Company: <i>EnviroTrac</i>		Received by: <i>FedEx</i>	
Relinquished by:		Date/Time:		Company:		Received by: <i>James E. Hancy</i>	
Relinquished by:		Date/Time:		Company:		Received by: <i>10/5/17 JECOS</i>	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			
Yes No				<i>5.1/1.2/3.7/3.8/4.0/4.3/2.4/1.5/4.0/4.1</i>			

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-143980-1

Login Number: 143980

List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-143982-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

10/16/2017 10:32:19 AM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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results through

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Job ID: 680-143982-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-143982-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/5/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5° C, 3.4° C, 4.0° C and 4.1° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample MW-16S (680-143982-1) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/15/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-16S (680-143982-1), MW-22D (680-143982-2), MW-22L (680-143982-3), MW-20D (680-143982-4), MW-23D (680-143982-5), MW-38L (680-143982-6) and MW-31L (680-143982-7) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/06/2017 and analyzed on 10/09/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497556.

The following samples contained an allowable number of surrogate compounds outside limits: MW-16S (680-143982-1), MW-22D (680-143982-2), MW-22L (680-143982-3), MW-23D (680-143982-5) and MW-31L (680-143982-7). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143982-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-143982-1	MW-16S	Water	10/03/17 10:22	10/05/17 09:05
680-143982-2	MW-22D	Water	10/03/17 12:04	10/05/17 09:05
680-143982-3	MW-22L	Water	10/03/17 13:13	10/05/17 09:05
680-143982-4	MW-20D	Water	10/03/17 14:32	10/05/17 09:05
680-143982-5	MW-23D	Water	10/03/17 15:38	10/05/17 09:05
680-143982-6	MW-38L	Water	10/03/17 16:18	10/05/17 09:05
680-143982-7	MW-31L	Water	10/03/17 16:54	10/05/17 09:05

Method Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143982-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143982-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-16S

Lab Sample ID: 680-143982-1

Date Collected: 10/03/17 10:22

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/15/17 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120					10/15/17 19:58	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131					10/15/17 19:58	1
Dibromofluoromethane (Surr)	99		80 - 122					10/15/17 19:58	1
4-Bromofluorobenzene (Surr)	100		80 - 120					10/15/17 19:58	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/06/17 16:30	10/09/17 16:48	1
alpha-BHC	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 16:48	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/06/17 16:30	10/09/17 16:48	1
beta-BHC	0.048	U	0.048	0.011	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/06/17 16:30	10/09/17 16:48	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/06/17 16:30	10/09/17 16:48	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 16:48	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 16:48	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 16:48	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/06/17 16:30	10/09/17 16:48	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 16:48	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/06/17 16:30	10/09/17 16:48	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/06/17 16:30	10/09/17 16:48	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		10 - 130				10/06/17 16:30	10/09/17 16:48	1
Tetrachloro-m-xylene	35	X	39 - 130				10/06/17 16:30	10/09/17 16:48	1

TestAmerica Savannah

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-22D

Lab Sample ID: 680-143982-2

Date Collected: 10/03/17 12:04

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0071	ug/L		10/06/17 16:30	10/09/17 17:02	1
alpha-BHC	0.049	U	0.049	0.0076	ug/L		10/06/17 16:30	10/09/17 17:02	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/06/17 16:30	10/09/17 17:02	1
beta-BHC	0.057		0.049	0.012	ug/L		10/06/17 16:30	10/09/17 17:02	1
4,4'-DDD	0.049	U	0.049	0.0075	ug/L		10/06/17 16:30	10/09/17 17:02	1
4,4'-DDE	0.049	U	0.049	0.0072	ug/L		10/06/17 16:30	10/09/17 17:02	1
4,4'-DDT	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:02	1
delta-BHC	0.024	J	0.049	0.013	ug/L		10/06/17 16:30	10/09/17 17:02	1
Dieldrin	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endosulfan I	0.049	U	0.049	0.0080	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endosulfan II	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endosulfan sulfate	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endrin	0.049	U	0.049	0.0086	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/06/17 16:30	10/09/17 17:02	1
Endrin ketone	0.049	U	0.049	0.0087	ug/L		10/06/17 16:30	10/09/17 17:02	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:02	1
gamma-Chlordane	0.049	U	0.049	0.0083	ug/L		10/06/17 16:30	10/09/17 17:02	1
Heptachlor	0.049	U	0.049	0.0077	ug/L		10/06/17 16:30	10/09/17 17:02	1
Heptachlor epoxide	0.049	U	0.049	0.0079	ug/L		10/06/17 16:30	10/09/17 17:02	1
Methoxychlor	0.049	U	0.049	0.0091	ug/L		10/06/17 16:30	10/09/17 17:02	1
Toxaphene	4.9	U	4.9	0.19	ug/L		10/06/17 16:30	10/09/17 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		10 - 130				10/06/17 16:30	10/09/17 17:02	1
Tetrachloro-m-xylene	34	X	39 - 130				10/06/17 16:30	10/09/17 17:02	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-22L

Lab Sample ID: 680-143982-3

Date Collected: 10/03/17 13:13

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0071	ug/L		10/06/17 16:30	10/09/17 17:16	1
alpha-BHC	0.13		0.048	0.0075	ug/L		10/06/17 16:30	10/09/17 17:16	1
alpha-Chlordane	0.048	U	0.048	0.0097	ug/L		10/06/17 16:30	10/09/17 17:16	1
beta-BHC	0.47		0.048	0.012	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDE	0.048	U	0.048	0.0072	ug/L		10/06/17 16:30	10/09/17 17:16	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
delta-BHC	0.34		0.048	0.013	ug/L		10/06/17 16:30	10/09/17 17:16	1
Dieldrin	0.063		0.048	0.0083	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin	0.048	U	0.048	0.0085	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/06/17 16:30	10/09/17 17:16	1
Endrin ketone	0.053		0.048	0.0086	ug/L		10/06/17 16:30	10/09/17 17:16	1
gamma-BHC (Lindane)	0.092		0.048	0.0080	ug/L		10/06/17 16:30	10/09/17 17:16	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/06/17 16:30	10/09/17 17:16	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/06/17 16:30	10/09/17 17:16	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/06/17 16:30	10/09/17 17:16	1
Methoxychlor	0.048	U	0.048	0.0090	ug/L		10/06/17 16:30	10/09/17 17:16	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/06/17 16:30	10/09/17 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37	p	10 - 130				10/06/17 16:30	10/09/17 17:16	1
Tetrachloro-m-xylene	37	X	39 - 130				10/06/17 16:30	10/09/17 17:16	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-20D

Lab Sample ID: 680-143982-4

Date Collected: 10/03/17 14:32

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0072	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-BHC	0.049	U	0.049	0.0077	ug/L		10/06/17 16:30	10/09/17 17:31	1
alpha-Chlordane	0.049	U	0.049	0.0098	ug/L		10/06/17 16:30	10/09/17 17:31	1
beta-BHC	0.049	U	0.049	0.012	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDD	0.049	U	0.049	0.0076	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDE	0.049	U	0.049	0.0073	ug/L		10/06/17 16:30	10/09/17 17:31	1
4,4'-DDT	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
delta-BHC	0.049	U	0.049	0.013	ug/L		10/06/17 16:30	10/09/17 17:31	1
Dieldrin	0.049	U	0.049	0.0085	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan I	0.049	U	0.049	0.0081	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan II	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endosulfan sulfate	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin	0.049	U	0.049	0.0087	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin aldehyde	0.049	U	0.049	0.017	ug/L		10/06/17 16:30	10/09/17 17:31	1
Endrin ketone	0.049	U	0.049	0.0088	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0082	ug/L		10/06/17 16:30	10/09/17 17:31	1
gamma-Chlordane	0.049	U	0.049	0.0084	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor	0.049	U	0.049	0.0078	ug/L		10/06/17 16:30	10/09/17 17:31	1
Heptachlor epoxide	0.049	U	0.049	0.0080	ug/L		10/06/17 16:30	10/09/17 17:31	1
Methoxychlor	0.049	U	0.049	0.0092	ug/L		10/06/17 16:30	10/09/17 17:31	1
Toxaphene	4.9	U	4.9	0.19	ug/L		10/06/17 16:30	10/09/17 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 17:31	1
Tetrachloro-m-xylene	41		39 - 130				10/06/17 16:30	10/09/17 17:31	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-23D

Lab Sample ID: 680-143982-5

Date Collected: 10/03/17 15:38

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 17:45	1
alpha-BHC	0.022	J	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 17:45	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/06/17 16:30	10/09/17 17:45	1
beta-BHC	0.015	J p	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 17:45	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 17:45	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 17:45	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 17:45	1
gamma-BHC (Lindane)	0.014	J	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 17:45	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 17:45	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 17:45	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 17:45	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/06/17 16:30	10/09/17 17:45	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 17:45	1
Tetrachloro-m-xylene	38	X	39 - 130				10/06/17 16:30	10/09/17 17:45	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-38L

Lab Sample ID: 680-143982-6

Date Collected: 10/03/17 16:18

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/06/17 16:30	10/09/17 18:00	1
alpha-BHC	0.047	U	0.047	0.0074	ug/L		10/06/17 16:30	10/09/17 18:00	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/06/17 16:30	10/09/17 18:00	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/06/17 16:30	10/09/17 18:00	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/06/17 16:30	10/09/17 18:00	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/06/17 16:30	10/09/17 18:00	1
Endrin ketone	0.047	U	0.047	0.0084	ug/L		10/06/17 16:30	10/09/17 18:00	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/06/17 16:30	10/09/17 18:00	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/06/17 16:30	10/09/17 18:00	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/06/17 16:30	10/09/17 18:00	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/06/17 16:30	10/09/17 18:00	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/06/17 16:30	10/09/17 18:00	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/06/17 16:30	10/09/17 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	29	p	10 - 130				10/06/17 16:30	10/09/17 18:00	1
Tetrachloro-m-xylene	41		39 - 130				10/06/17 16:30	10/09/17 18:00	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-31L

Lab Sample ID: 680-143982-7

Date Collected: 10/03/17 16:54

Matrix: Water

Date Received: 10/05/17 09:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/06/17 16:30	10/09/17 18:14	1
alpha-BHC	0.24		0.050	0.0078	ug/L		10/06/17 16:30	10/09/17 18:14	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/06/17 16:30	10/09/17 18:14	1
beta-BHC	0.47		0.050	0.012	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/06/17 16:30	10/09/17 18:14	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
delta-BHC	0.62		0.050	0.013	ug/L		10/06/17 16:30	10/09/17 18:14	1
Dieldrin	0.017	J	0.050	0.0086	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/06/17 16:30	10/09/17 18:14	1
Endrin ketone	0.045	J	0.050	0.0089	ug/L		10/06/17 16:30	10/09/17 18:14	1
gamma-BHC (Lindane)	0.054		0.050	0.0083	ug/L		10/06/17 16:30	10/09/17 18:14	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/06/17 16:30	10/09/17 18:14	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/06/17 16:30	10/09/17 18:14	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/06/17 16:30	10/09/17 18:14	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/06/17 16:30	10/09/17 18:14	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/06/17 16:30	10/09/17 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		10 - 130				10/06/17 16:30	10/09/17 18:14	1
Tetrachloro-m-xylene	37	X	39 - 130				10/06/17 16:30	10/09/17 18:14	1

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-498563/9

Matrix: Water

Analysis Batch: 498563

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.48	ug/L			10/15/17 16:16	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					10/15/17 16:16	1
1,2-Dichloroethane-d4 (Surr)	86		73 - 131					10/15/17 16:16	1
Dibromofluoromethane (Surr)	97		80 - 122					10/15/17 16:16	1
4-Bromofluorobenzene (Surr)	98		80 - 120					10/15/17 16:16	1

Lab Sample ID: LCS 680-498563/3

Matrix: Water

Analysis Batch: 498563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	51.8		ug/L		104	80 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
1,2-Dichloroethane-d4 (Surr)	89		73 - 131				
Dibromofluoromethane (Surr)	99		80 - 122				
4-Bromofluorobenzene (Surr)	95		80 - 120				

Lab Sample ID: LCSD 680-498563/4

Matrix: Water

Analysis Batch: 498563

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	52.2		ug/L		104	80 - 120	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	101		80 - 120						
1,2-Dichloroethane-d4 (Surr)	91		73 - 131						
Dibromofluoromethane (Surr)	99		80 - 122						
4-Bromofluorobenzene (Surr)	93		80 - 120						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.013	U	0.013	0.0018	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/06/17 16:30	10/09/17 14:20	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-497556/20-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/06/17 16:30	10/09/17 14:20	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/06/17 16:30	10/09/17 14:20	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/06/17 16:30	10/09/17 14:20	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/06/17 16:30	10/09/17 14:20	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/06/17 16:30	10/09/17 14:20	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/06/17 16:30	10/09/17 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39	p	10 - 130	10/06/17 16:30	10/09/17 14:20	1
Tetrachloro-m-xylene	54		39 - 130	10/06/17 16:30	10/09/17 14:20	1

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0148		ug/L		59	48 - 130
alpha-BHC	0.0250	0.0177		ug/L		71	45 - 130
alpha-Chlordane	0.0250	0.0169		ug/L		68	60 - 130
beta-BHC	0.0250	0.0178		ug/L		71	50 - 130
4,4'-DDD	0.0250	0.0180		ug/L		72	52 - 130
4,4'-DDE	0.0250	0.0156		ug/L		62	48 - 130
4,4'-DDT	0.0250	0.0165		ug/L		66	59 - 130
delta-BHC	0.0250	0.0182		ug/L		73	47 - 140
Dieldrin	0.0250	0.0175		ug/L		70	55 - 130
Endosulfan I	0.0250	0.0155		ug/L		62	27 - 130
Endosulfan II	0.0250	0.0164		ug/L		66	39 - 130
Endosulfan sulfate	0.0250	0.0176		ug/L		70	57 - 130
Endrin	0.0250	0.0172		ug/L		69	62 - 131
Endrin aldehyde	0.0250	0.0177		ug/L		71	39 - 177
Endrin ketone	0.0250	0.0201		ug/L		80	47 - 130
gamma-BHC (Lindane)	0.0250	0.0177		ug/L		71	47 - 130
gamma-Chlordane	0.0250	0.0166		ug/L		66	50 - 145
Heptachlor	0.0250	0.0142		ug/L		57	49 - 130
Heptachlor epoxide	0.0250	0.0174		ug/L		70	54 - 130
Methoxychlor	0.0250	0.0181		ug/L		72	53 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497556/21-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497556

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	61		10 - 130
Tetrachloro-m-xylene	48		39 - 130

Lab Sample ID: LCSD 680-497556/22-A

Matrix: Water

Analysis Batch: 497714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0156		ug/L		63	48 - 130	5	40
alpha-BHC	0.0250	0.0186		ug/L		74	45 - 130	5	30
alpha-Chlordane	0.0250	0.0181		ug/L		72	60 - 130	7	50
beta-BHC	0.0250	0.0186		ug/L		74	50 - 130	4	40
4,4'-DDD	0.0250	0.0184		ug/L		74	52 - 130	3	40
4,4'-DDE	0.0250	0.0166		ug/L		66	48 - 130	6	30
4,4'-DDT	0.0250	0.0170		ug/L		68	59 - 130	3	40
delta-BHC	0.0250	0.0191		ug/L		76	47 - 140	5	30
Dieldrin	0.0250	0.0182		ug/L		73	55 - 130	4	30
Endosulfan I	0.0250	0.0165		ug/L		66	27 - 130	6	30
Endosulfan II	0.0250	0.0167		ug/L		67	39 - 130	2	30
Endosulfan sulfate	0.0250	0.0178		ug/L		71	57 - 130	1	40
Endrin	0.0250	0.0175		ug/L		70	62 - 131	2	30
Endrin aldehyde	0.0250	0.0181		ug/L		72	39 - 177	2	40
Endrin ketone	0.0250	0.0206		ug/L		83	47 - 130	3	40
gamma-BHC (Lindane)	0.0250	0.0186		ug/L		74	47 - 130	5	30
gamma-Chlordane	0.0250	0.0176		ug/L		71	50 - 145	6	50
Heptachlor	0.0250	0.0146		ug/L		58	49 - 130	3	30
Heptachlor epoxide	0.0250	0.0183		ug/L		73	54 - 130	5	40
Methoxychlor	0.0250	0.0183		ug/L		73	53 - 130	1	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	57		10 - 130
Tetrachloro-m-xylene	50		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

GC/MS VOA

Analysis Batch: 498563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	8260B	
MB 680-498563/9	Method Blank	Total/NA	Water	8260B	
LCS 680-498563/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-498563/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 497556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	3520C	
680-143982-2	MW-22D	Total/NA	Water	3520C	
680-143982-3	MW-22L	Total/NA	Water	3520C	
680-143982-4	MW-20D	Total/NA	Water	3520C	
680-143982-5	MW-23D	Total/NA	Water	3520C	
680-143982-6	MW-38L	Total/NA	Water	3520C	
680-143982-7	MW-31L	Total/NA	Water	3520C	
MB 680-497556/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-143982-1	MW-16S	Total/NA	Water	8081B/8082A	497556
680-143982-2	MW-22D	Total/NA	Water	8081B/8082A	497556
680-143982-3	MW-22L	Total/NA	Water	8081B/8082A	497556
680-143982-4	MW-20D	Total/NA	Water	8081B/8082A	497556
680-143982-5	MW-23D	Total/NA	Water	8081B/8082A	497556
680-143982-6	MW-38L	Total/NA	Water	8081B/8082A	497556
680-143982-7	MW-31L	Total/NA	Water	8081B/8082A	497556
MB 680-497556/20-A	Method Blank	Total/NA	Water	8081B/8082A	497556
LCS 680-497556/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497556
LCSD 680-497556/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497556

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-16S

Date Collected: 10/03/17 10:22

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	498563	10/15/17 19:58	CMB	TAL SAV
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 16:48	JCK	TAL SAV

Client Sample ID: MW-22D

Date Collected: 10/03/17 12:04

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:02	JCK	TAL SAV

Client Sample ID: MW-22L

Date Collected: 10/03/17 13:13

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:16	JCK	TAL SAV

Client Sample ID: MW-20D

Date Collected: 10/03/17 14:32

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:31	JCK	TAL SAV

Client Sample ID: MW-23D

Date Collected: 10/03/17 15:38

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 17:45	JCK	TAL SAV

Client Sample ID: MW-38L

Date Collected: 10/03/17 16:18

Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-143982-1

Client Sample ID: MW-38L
Date Collected: 10/03/17 16:18
Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 18:00	JCK	TAL SAV

Client Sample ID: MW-31L
Date Collected: 10/03/17 16:54
Date Received: 10/05/17 09:05

Lab Sample ID: 680-143982-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497556	10/06/17 16:30	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497714	10/09/17 18:14	JCK	TAL SAV

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-143982-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

Page 20 of 21

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-143982-1

Login Number: 143982

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-144018-1

Client Project/Site: Geigy Chemical Corp. / 11.990010.00

For:

EnviroTrac, Ltd.

7343 W. Friendly Avenue

Suite J

Greensboro, North Carolina 27410

Attn: Chris Hay



Authorized for release by:

10/16/2017 10:54:53 AM

Michele Kersey, Project Manager II

(912)354-7858

michele.kersey@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Job ID: 680-144018-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EnviroTrac, Ltd.

Project: Geigy Chemical Corp. / 11.990010.00

Report Number: 680-144018-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/6/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 2.9° C.

PESTICIDES AND PCBs

Samples MW-32L (680-144018-1), PZ-5 (680-144018-2), MW-40L (680-144018-3), MW-36D (680-144018-4), MW-36L (680-144018-5), MW-27L (680-144018-6), MW-25L (680-144018-7) and MW-37L (680-144018-8) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/09/2017 and 10/11/2017 and analyzed on 10/10/2017 and 10/12/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-497743.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 680-498061.

The following samples contained an allowable number of surrogate compounds outside limits: MW-32L (680-144018-1), PZ-5 (680-144018-2), MW-40L (680-144018-3), MW-36D (680-144018-4), MW-36L (680-144018-5), MW-27L (680-144018-6) and MW-25L (680-144018-7). These results have been reported and qualified.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 680-498061 and analytical batch 680-498285 recovered outside control limits. There was an issue with the LCS that resulted in low bias recoveries for are target analytes and surrogates. This low bias in the LCS and passing recoveries in the LCSD led to the RPD failures. Re-extraction of the sample would have been outside of hold times.

Samples MW-40L (680-144018-3)[5X], MW-27L (680-144018-6)[5X] and MW-37L (680-144018-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144018-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144018-1	MW-32L	Water	10/04/17 09:53	10/06/17 09:00
680-144018-2	PZ-5	Water	10/04/17 10:37	10/06/17 09:00
680-144018-3	MW-40L	Water	10/04/17 11:04	10/06/17 09:00
680-144018-4	MW-36D	Water	10/04/17 12:02	10/06/17 09:00
680-144018-5	MW-36L	Water	10/04/17 13:15	10/06/17 09:00
680-144018-6	MW-27L	Water	10/04/17 14:36	10/06/17 09:00
680-144018-7	MW-25L	Water	10/04/17 15:41	10/06/17 09:00
680-144018-8	MW-37L	Water	10/04/17 16:36	10/06/17 09:00

Method Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144018-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Method	Method Description	Protocol	Laboratory
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: EnviroTrac, Ltd.

Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-32L

Lab Sample ID: 680-144018-1

Date Collected: 10/04/17 09:53

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 18:29	1
alpha-BHC	0.048	U	0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 18:29	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		10/09/17 16:10	10/10/17 18:29	1
beta-BHC	0.048	U	0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/09/17 16:10	10/10/17 18:29	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
delta-BHC	0.048	U	0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:29	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 18:29	1
Endrin ketone	0.048	U	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 18:29	1
gamma-BHC (Lindane)	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:29	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:29	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/09/17 16:10	10/10/17 18:29	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 18:29	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/09/17 16:10	10/10/17 18:29	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 130				10/09/17 16:10	10/10/17 18:29	1
Tetrachloro-m-xylene	35	X	39 - 130				10/09/17 16:10	10/10/17 18:29	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: PZ-5

Lab Sample ID: 680-144018-2

Date Collected: 10/04/17 10:37

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0069	ug/L		10/09/17 16:10	10/10/17 19:00	1
alpha-BHC	0.59		0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 19:00	1
alpha-Chlordane	0.048	U	0.048	0.0095	ug/L		10/09/17 16:10	10/10/17 19:00	1
beta-BHC	0.18		0.048	0.011	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDD	0.048	U	0.048	0.0073	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDE	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 19:00	1
4,4'-DDT	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
delta-BHC	0.31		0.048	0.012	ug/L		10/09/17 16:10	10/10/17 19:00	1
Dieldrin	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan I	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan II	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endosulfan sulfate	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 19:00	1
Endrin ketone	0.017	J	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 19:00	1
gamma-BHC (Lindane)	0.11		0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 19:00	1
gamma-Chlordane	0.048	U	0.048	0.0081	ug/L		10/09/17 16:10	10/10/17 19:00	1
Heptachlor	0.048	U	0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 19:00	1
Heptachlor epoxide	0.048	U	0.048	0.0077	ug/L		10/09/17 16:10	10/10/17 19:00	1
Methoxychlor	0.048	U	0.048	0.0088	ug/L		10/09/17 16:10	10/10/17 19:00	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		10 - 130				10/09/17 16:10	10/10/17 19:00	1
Tetrachloro-m-xylene	32	X	39 - 130				10/09/17 16:10	10/10/17 19:00	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-40L

Lab Sample ID: 680-144018-3

Date Collected: 10/04/17 11:04

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.046	U *	0.046	0.0067	ug/L		10/11/17 15:18	10/12/17 16:31	1
alpha-BHC	0.29	*	0.046	0.0072	ug/L		10/11/17 15:18	10/12/17 16:31	1
alpha-Chlordane	0.046	U *	0.046	0.0092	ug/L		10/11/17 15:18	10/12/17 16:31	1
beta-BHC	0.60	*	0.046	0.011	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDD	0.046	U *	0.046	0.0071	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDE	0.046	U *	0.046	0.0068	ug/L		10/11/17 15:18	10/12/17 16:31	1
4,4'-DDT	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
delta-BHC	1.0	*	0.23	0.060	ug/L		10/11/17 15:18	10/12/17 16:59	5
Dieldrin	0.019	J *	0.046	0.0079	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan I	0.046	U *	0.046	0.0076	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan II	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endosulfan sulfate	0.046	U *	0.046	0.0077	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin	0.046	U *	0.046	0.0081	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin aldehyde	0.046	U *	0.046	0.016	ug/L		10/11/17 15:18	10/12/17 16:31	1
Endrin ketone	0.052	*	0.046	0.0082	ug/L		10/11/17 15:18	10/12/17 16:31	1
gamma-BHC (Lindane)	0.038	J *	0.046	0.0077	ug/L		10/11/17 15:18	10/12/17 16:31	1
gamma-Chlordane	0.046	U *	0.046	0.0078	ug/L		10/11/17 15:18	10/12/17 16:31	1
Heptachlor	0.046	U *	0.046	0.0073	ug/L		10/11/17 15:18	10/12/17 16:31	1
Heptachlor epoxide	0.046	U *	0.046	0.0075	ug/L		10/11/17 15:18	10/12/17 16:31	1
Methoxychlor	0.046	U *	0.046	0.0086	ug/L		10/11/17 15:18	10/12/17 16:31	1
Toxaphene	4.6	U	4.6	0.18	ug/L		10/11/17 15:18	10/12/17 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12		10 - 130				10/11/17 15:18	10/12/17 16:31	1
Tetrachloro-m-xylene	29	X	39 - 130				10/11/17 15:18	10/12/17 16:31	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-36D

Lab Sample ID: 680-144018-4

Date Collected: 10/04/17 12:02

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 18:41	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:41	1
alpha-Chlordane	0.014	J p	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 18:41	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:41	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:41	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:41	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 18:41	1
gamma-BHC (Lindane)	0.018	J	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:41	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:41	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:41	1
Heptachlor epoxide	0.012	J	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 18:41	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 18:41	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 130				10/09/17 16:10	10/10/17 18:41	1
Tetrachloro-m-xylene	29	X	39 - 130				10/09/17 16:10	10/10/17 18:41	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-36L

Lab Sample ID: 680-144018-5

Date Collected: 10/04/17 13:15

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 18:58	1
alpha-BHC	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:58	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 18:58	1
beta-BHC	0.047	U	0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:58	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
delta-BHC	0.047	U	0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:58	1
Dieldrin	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin	0.047	U	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:58	1
Endrin ketone	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 18:58	1
gamma-BHC (Lindane)	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:58	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 18:58	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:58	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 18:58	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 18:58	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/09/17 16:10	10/10/17 18:58	1
Tetrachloro-m-xylene	28	X	39 - 130				10/09/17 16:10	10/10/17 18:58	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-27L

Lab Sample ID: 680-144018-6

Date Collected: 10/04/17 14:36

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0068	ug/L		10/09/17 16:10	10/10/17 17:51	1
alpha-BHC	0.63		0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 17:51	1
alpha-Chlordane	0.047	U	0.047	0.0094	ug/L		10/09/17 16:10	10/10/17 17:51	1
beta-BHC	1.4		0.23	0.056	ug/L		10/09/17 16:10	10/10/17 19:15	5
4,4'-DDD	0.047	U	0.047	0.0072	ug/L		10/09/17 16:10	10/10/17 17:51	1
4,4'-DDE	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 17:51	1
4,4'-DDT	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
delta-BHC	1.4		0.23	0.061	ug/L		10/09/17 16:10	10/10/17 19:15	5
Dieldrin	0.074		0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan I	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan II	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endosulfan sulfate	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin	0.047	U	0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 17:51	1
Endrin ketone	0.11		0.047	0.0083	ug/L		10/09/17 16:10	10/10/17 17:51	1
gamma-BHC (Lindane)	0.11		0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 17:51	1
gamma-Chlordane	0.047	U	0.047	0.0080	ug/L		10/09/17 16:10	10/10/17 17:51	1
Heptachlor	0.047	U	0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 17:51	1
Heptachlor epoxide	0.047	U	0.047	0.0076	ug/L		10/09/17 16:10	10/10/17 17:51	1
Methoxychlor	0.047	U	0.047	0.0087	ug/L		10/09/17 16:10	10/10/17 17:51	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		10 - 130				10/09/17 16:10	10/10/17 17:51	1
Tetrachloro-m-xylene	31	X	39 - 130				10/09/17 16:10	10/10/17 17:51	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-25L

Lab Sample ID: 680-144018-7

Date Collected: 10/04/17 15:41

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.047	U	0.047	0.0069	ug/L		10/09/17 16:10	10/10/17 18:08	1
alpha-BHC	0.43		0.047	0.0074	ug/L		10/09/17 16:10	10/10/17 18:08	1
alpha-Chlordane	0.047	U	0.047	0.0095	ug/L		10/09/17 16:10	10/10/17 18:08	1
beta-BHC	0.33		0.047	0.011	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDD	0.047	U	0.047	0.0073	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDE	0.047	U	0.047	0.0070	ug/L		10/09/17 16:10	10/10/17 18:08	1
4,4'-DDT	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
delta-BHC	0.72		0.047	0.012	ug/L		10/09/17 16:10	10/10/17 18:08	1
Dieldrin	0.013	J	0.047	0.0082	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan I	0.047	U	0.047	0.0078	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan II	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endosulfan sulfate	0.047	U	0.047	0.0079	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin	0.047	U	0.047	0.0084	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin aldehyde	0.047	U	0.047	0.016	ug/L		10/09/17 16:10	10/10/17 18:08	1
Endrin ketone	0.021	J	0.047	0.0085	ug/L		10/09/17 16:10	10/10/17 18:08	1
gamma-BHC (Lindane)	0.067		0.047	0.0079	ug/L		10/09/17 16:10	10/10/17 18:08	1
gamma-Chlordane	0.047	U	0.047	0.0081	ug/L		10/09/17 16:10	10/10/17 18:08	1
Heptachlor	0.047	U	0.047	0.0075	ug/L		10/09/17 16:10	10/10/17 18:08	1
Heptachlor epoxide	0.047	U	0.047	0.0077	ug/L		10/09/17 16:10	10/10/17 18:08	1
Methoxychlor	0.047	U	0.047	0.0088	ug/L		10/09/17 16:10	10/10/17 18:08	1
Toxaphene	4.7	U	4.7	0.18	ug/L		10/09/17 16:10	10/10/17 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		10 - 130				10/09/17 16:10	10/10/17 18:08	1
Tetrachloro-m-xylene	36	X	39 - 130				10/09/17 16:10	10/10/17 18:08	1

Client Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-37L

Lab Sample ID: 680-144018-8

Date Collected: 10/04/17 16:36

Matrix: Water

Date Received: 10/06/17 09:00

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.048	U	0.048	0.0070	ug/L		10/09/17 16:10	10/10/17 18:25	1
alpha-BHC	0.58		0.048	0.0075	ug/L		10/09/17 16:10	10/10/17 18:25	1
alpha-Chlordane	0.048	U	0.048	0.0096	ug/L		10/09/17 16:10	10/10/17 18:25	1
beta-BHC	0.53		0.048	0.012	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDD	0.048	U	0.048	0.0074	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDE	0.048	U	0.048	0.0071	ug/L		10/09/17 16:10	10/10/17 18:25	1
4,4'-DDT	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
delta-BHC	1.1		0.24	0.062	ug/L		10/09/17 16:10	10/10/17 19:31	5
Dieldrin	0.020	J	0.048	0.0083	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan I	0.048	U	0.048	0.0079	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan II	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endosulfan sulfate	0.048	U	0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin	0.048	U	0.048	0.0084	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin aldehyde	0.048	U	0.048	0.016	ug/L		10/09/17 16:10	10/10/17 18:25	1
Endrin ketone	0.036	J	0.048	0.0085	ug/L		10/09/17 16:10	10/10/17 18:25	1
gamma-BHC (Lindane)	0.095		0.048	0.0080	ug/L		10/09/17 16:10	10/10/17 18:25	1
gamma-Chlordane	0.048	U	0.048	0.0082	ug/L		10/09/17 16:10	10/10/17 18:25	1
Heptachlor	0.048	U	0.048	0.0076	ug/L		10/09/17 16:10	10/10/17 18:25	1
Heptachlor epoxide	0.048	U	0.048	0.0078	ug/L		10/09/17 16:10	10/10/17 18:25	1
Methoxychlor	0.048	U	0.048	0.0089	ug/L		10/09/17 16:10	10/10/17 18:25	1
Toxaphene	4.8	U	4.8	0.18	ug/L		10/09/17 16:10	10/10/17 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130				10/09/17 16:10	10/10/17 18:25	1
Tetrachloro-m-xylene	40		39 - 130				10/09/17 16:10	10/10/17 18:25	1

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-497743/20-A

Matrix: Water

Analysis Batch: 497937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0073	ug/L		10/09/17 16:10	10/10/17 15:53	1
alpha-BHC	0.050	U	0.050	0.0078	ug/L		10/09/17 16:10	10/10/17 15:53	1
alpha-Chlordane	0.050	U	0.050	0.010	ug/L		10/09/17 16:10	10/10/17 15:53	1
beta-BHC	0.050	U	0.050	0.012	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDD	0.050	U	0.050	0.0077	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDE	0.050	U	0.050	0.0074	ug/L		10/09/17 16:10	10/10/17 15:53	1
4,4'-DDT	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
delta-BHC	0.050	U	0.050	0.013	ug/L		10/09/17 16:10	10/10/17 15:53	1
Dieldrin	0.050	U	0.050	0.0086	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan I	0.050	U	0.050	0.0082	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan II	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endosulfan sulfate	0.050	U	0.050	0.0083	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin	0.050	U	0.050	0.0088	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin aldehyde	0.050	U	0.050	0.017	ug/L		10/09/17 16:10	10/10/17 15:53	1
Endrin ketone	0.050	U	0.050	0.0089	ug/L		10/09/17 16:10	10/10/17 15:53	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0083	ug/L		10/09/17 16:10	10/10/17 15:53	1
gamma-Chlordane	0.050	U	0.050	0.0085	ug/L		10/09/17 16:10	10/10/17 15:53	1
Heptachlor	0.050	U	0.050	0.0079	ug/L		10/09/17 16:10	10/10/17 15:53	1
Heptachlor epoxide	0.050	U	0.050	0.0081	ug/L		10/09/17 16:10	10/10/17 15:53	1
Methoxychlor	0.050	U	0.050	0.0093	ug/L		10/09/17 16:10	10/10/17 15:53	1
Toxaphene	5.0	U	5.0	0.19	ug/L		10/09/17 16:10	10/10/17 15:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		10 - 130	10/09/17 16:10	10/10/17 15:53	1
Tetrachloro-m-xylene	53		39 - 130	10/09/17 16:10	10/10/17 15:53	1

Lab Sample ID: LCS 680-497743/21-A

Matrix: Water

Analysis Batch: 497937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.100	0.0674		ug/L		67	48 - 130
alpha-BHC	0.100	0.0729		ug/L		73	45 - 130
alpha-Chlordane	0.100	0.0777		ug/L		78	60 - 130
beta-BHC	0.100	0.0824		ug/L		82	50 - 130
4,4'-DDD	0.100	0.0850		ug/L		85	52 - 130
4,4'-DDE	0.100	0.0790		ug/L		79	48 - 130
4,4'-DDT	0.100	0.0912		ug/L		91	59 - 130
delta-BHC	0.100	0.0868		ug/L		87	47 - 140
Dieldrin	0.100	0.0822		ug/L		82	55 - 130
Endosulfan I	0.100	0.0669		ug/L		67	27 - 130
Endosulfan II	0.100	0.0749		ug/L		75	39 - 130
Endosulfan sulfate	0.100	0.0831		ug/L		83	57 - 130
Endrin	0.100	0.0844		ug/L		84	62 - 131
Endrin aldehyde	0.100	0.102		ug/L		102	39 - 177
Endrin ketone	0.100	0.0855		ug/L		85	47 - 130

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-497743/21-A

Matrix: Water

Analysis Batch: 497937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.100	0.0757		ug/L		76	47 - 130
gamma-Chlordane	0.100	0.0763		ug/L		76	50 - 145
Heptachlor	0.100	0.0690		ug/L		69	49 - 130
Heptachlor epoxide	0.100	0.0776		ug/L		78	54 - 130
Methoxychlor	0.100	0.0926		ug/L		93	53 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	79		10 - 130
Tetrachloro-m-xylene	50		39 - 130

Lab Sample ID: LCSD 680-497743/22-A

Matrix: Water

Analysis Batch: 497937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 497743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aldrin	0.100	0.0663		ug/L		66	48 - 130	2	40
alpha-BHC	0.100	0.0716		ug/L		72	45 - 130	2	30
alpha-Chlordane	0.100	0.0749		ug/L		75	60 - 130	4	50
beta-BHC	0.100	0.0794		ug/L		79	50 - 130	4	40
4,4'-DDD	0.100	0.0824		ug/L		82	52 - 130	3	40
4,4'-DDE	0.100	0.0767		ug/L		77	48 - 130	3	30
4,4'-DDT	0.100	0.0895		ug/L		90	59 - 130	2	40
delta-BHC	0.100	0.0831		ug/L		83	47 - 140	4	30
Dieldrin	0.100	0.0804		ug/L		80	55 - 130	2	30
Endosulfan I	0.100	0.0653		ug/L		65	27 - 130	3	30
Endosulfan II	0.100	0.0738		ug/L		74	39 - 130	1	30
Endosulfan sulfate	0.100	0.0823		ug/L		82	57 - 130	1	40
Endrin	0.100	0.0856		ug/L		86	62 - 131	1	30
Endrin aldehyde	0.100	0.101		ug/L		101	39 - 177	1	40
Endrin ketone	0.100	0.0844		ug/L		84	47 - 130	1	40
gamma-BHC (Lindane)	0.100	0.0734		ug/L		73	47 - 130	3	30
gamma-Chlordane	0.100	0.0731		ug/L		73	50 - 145	4	50
Heptachlor	0.100	0.0684		ug/L		68	49 - 130	1	30
Heptachlor epoxide	0.100	0.0758		ug/L		76	54 - 130	2	40
Methoxychlor	0.100	0.0931		ug/L		93	53 - 130	1	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	70		10 - 130
Tetrachloro-m-xylene	46		39 - 130

Lab Sample ID: MB 680-498061/2-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 498061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.013	U	0.013	0.0018	ug/L		10/11/17 15:18	10/12/17 15:48	1

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-498061/2-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 498061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
alpha-Chlordane	0.013	U	0.013	0.0025	ug/L		10/11/17 15:18	10/12/17 15:48	1
beta-BHC	0.013	U	0.013	0.0030	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDD	0.013	U	0.013	0.0019	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDE	0.013	U	0.013	0.0019	ug/L		10/11/17 15:18	10/12/17 15:48	1
4,4'-DDT	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
delta-BHC	0.013	U	0.013	0.0033	ug/L		10/11/17 15:18	10/12/17 15:48	1
Dieldrin	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan I	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan II	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endosulfan sulfate	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin aldehyde	0.013	U	0.013	0.0043	ug/L		10/11/17 15:18	10/12/17 15:48	1
Endrin ketone	0.013	U	0.013	0.0022	ug/L		10/11/17 15:18	10/12/17 15:48	1
gamma-BHC (Lindane)	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
gamma-Chlordane	0.013	U	0.013	0.0021	ug/L		10/11/17 15:18	10/12/17 15:48	1
Heptachlor	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
Heptachlor epoxide	0.013	U	0.013	0.0020	ug/L		10/11/17 15:18	10/12/17 15:48	1
Methoxychlor	0.013	U	0.013	0.0023	ug/L		10/11/17 15:18	10/12/17 15:48	1
Toxaphene	1.3	U	1.3	0.048	ug/L		10/11/17 15:18	10/12/17 15:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		10 - 130				10/11/17 15:18	10/12/17 15:48	1
Tetrachloro-m-xylene	60		39 - 130				10/11/17 15:18	10/12/17 15:48	1

Lab Sample ID: LCS 680-498061/3-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 498061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.00309	J *	ug/L		12	48 - 130
alpha-BHC	0.0250	0.00207	J *	ug/L		8	45 - 130
alpha-Chlordane	0.0250	0.00315	J *	ug/L		13	60 - 130
beta-BHC	0.0250	0.013	U *	ug/L		9	50 - 130
4,4'-DDD	0.0250	0.00393	J p *	ug/L		16	52 - 130
4,4'-DDE	0.0250	0.00301	J *	ug/L		12	48 - 130
4,4'-DDT	0.0250	0.00272	J *	ug/L		11	59 - 130
delta-BHC	0.0250	0.013	U *	ug/L		8	47 - 140
Dieldrin	0.0250	0.00269	J *	ug/L		11	55 - 130
Endosulfan I	0.0250	0.00234	J *	ug/L		9	27 - 130
Endosulfan II	0.0250	0.00249	J *	ug/L		10	39 - 130
Endosulfan sulfate	0.0250	0.00259	J *	ug/L		10	57 - 130
Endrin	0.0250	0.00265	J *	ug/L		11	62 - 131
Endrin aldehyde	0.0250	0.013	U *	ug/L		8	39 - 177
Endrin ketone	0.0250	0.00285	J *	ug/L		11	47 - 130
gamma-BHC (Lindane)	0.0250	0.013	U *	ug/L		8	47 - 130
gamma-Chlordane	0.0250	0.00352	J *	ug/L		14	50 - 145

TestAmerica Savannah

QC Sample Results

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-498061/3-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 498061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.0250	0.00291	J *	ug/L		12	49 - 130
Heptachlor epoxide	0.0250	0.00276	J *	ug/L		11	54 - 130
Methoxychlor	0.0250	0.00288	J *	ug/L		12	53 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	8	X	10 - 130
Tetrachloro-m-xylene	12	X	39 - 130

Lab Sample ID: LCSD 680-498061/4-A

Matrix: Water

Analysis Batch: 498285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 498061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aldrin	0.0250	0.0142	*	ug/L		57	48 - 130	128	40
alpha-BHC	0.0250	0.0168	*	ug/L		67	45 - 130	156	30
alpha-Chlordane	0.0250	0.0175	*	ug/L		70	60 - 130	139	50
beta-BHC	0.0250	0.0183	*	ug/L		73	50 - 130	157	40
4,4'-DDD	0.0250	0.0201	*	ug/L		81	52 - 130	135	40
4,4'-DDE	0.0250	0.0162	*	ug/L		65	48 - 130	138	30
4,4'-DDT	0.0250	0.0167	*	ug/L		67	59 - 130	144	40
delta-BHC	0.0250	0.0175	*	ug/L		70	47 - 140	157	30
Dieldrin	0.0250	0.0174	*	ug/L		70	55 - 130	147	30
Endosulfan I	0.0250	0.0151	*	ug/L		60	27 - 130	146	30
Endosulfan II	0.0250	0.0159	*	ug/L		64	39 - 130	146	30
Endosulfan sulfate	0.0250	0.0175	*	ug/L		70	57 - 130	149	40
Endrin	0.0250	0.0173	*	ug/L		69	62 - 131	147	30
Endrin aldehyde	0.0250	0.0191	*	ug/L		76	39 - 177	161	40
Endrin ketone	0.0250	0.0197	*	ug/L		79	47 - 130	150	40
gamma-BHC (Lindane)	0.0250	0.0173	*	ug/L		69	47 - 130	157	30
gamma-Chlordane	0.0250	0.0169	*	ug/L		68	50 - 145	131	50
Heptachlor	0.0250	0.0140	*	ug/L		56	49 - 130	131	30
Heptachlor epoxide	0.0250	0.0176	*	ug/L		71	54 - 130	146	40
Methoxychlor	0.0250	0.0181	*	ug/L		72	53 - 130	145	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	51		10 - 130
Tetrachloro-m-xylene	49		39 - 130

TestAmerica Savannah

QC Association Summary

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

GC Semi VOA

Prep Batch: 497743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-1	MW-32L	Total/NA	Water	3520C	
680-144018-2	PZ-5	Total/NA	Water	3520C	
680-144018-4	MW-36D	Total/NA	Water	3520C	
680-144018-5	MW-36L	Total/NA	Water	3520C	
680-144018-6	MW-27L	Total/NA	Water	3520C	
680-144018-7	MW-25L	Total/NA	Water	3520C	
680-144018-8	MW-37L	Total/NA	Water	3520C	
MB 680-497743/20-A	Method Blank	Total/NA	Water	3520C	
LCS 680-497743/21-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-497743/22-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 497905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-4	MW-36D	Total/NA	Water	8081B/8082A	497743
680-144018-5	MW-36L	Total/NA	Water	8081B/8082A	497743
680-144018-6	MW-27L	Total/NA	Water	8081B/8082A	497743
680-144018-6	MW-27L	Total/NA	Water	8081B/8082A	497743
680-144018-7	MW-25L	Total/NA	Water	8081B/8082A	497743
680-144018-8	MW-37L	Total/NA	Water	8081B/8082A	497743
680-144018-8	MW-37L	Total/NA	Water	8081B/8082A	497743

Analysis Batch: 497937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-1	MW-32L	Total/NA	Water	8081B/8082A	497743
680-144018-2	PZ-5	Total/NA	Water	8081B/8082A	497743
MB 680-497743/20-A	Method Blank	Total/NA	Water	8081B/8082A	497743
LCS 680-497743/21-A	Lab Control Sample	Total/NA	Water	8081B/8082A	497743
LCSD 680-497743/22-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	497743

Prep Batch: 498061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-3	MW-40L	Total/NA	Water	3520C	
MB 680-498061/2-A	Method Blank	Total/NA	Water	3520C	
LCS 680-498061/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-498061/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 498285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144018-3	MW-40L	Total/NA	Water	8081B/8082A	498061
680-144018-3	MW-40L	Total/NA	Water	8081B/8082A	498061
MB 680-498061/2-A	Method Blank	Total/NA	Water	8081B/8082A	498061
LCS 680-498061/3-A	Lab Control Sample	Total/NA	Water	8081B/8082A	498061
LCSD 680-498061/4-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	498061

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Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-32L

Date Collected: 10/04/17 09:53

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144018-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497937	10/10/17 18:29	JCK	TAL SAV

Client Sample ID: PZ-5

Date Collected: 10/04/17 10:37

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144018-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497937	10/10/17 19:00	JCK	TAL SAV

Client Sample ID: MW-40L

Date Collected: 10/04/17 11:04

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144018-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			498061	10/11/17 15:18	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	498285	10/12/17 16:31	JCK	TAL SAV
Total/NA	Prep	3520C			498061	10/11/17 15:18	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	498285	10/12/17 16:59	JCK	TAL SAV

Client Sample ID: MW-36D

Date Collected: 10/04/17 12:02

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144018-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:41	JCK	TAL SAV

Client Sample ID: MW-36L

Date Collected: 10/04/17 13:15

Date Received: 10/06/17 09:00

Lab Sample ID: 680-144018-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:58	JCK	TAL SAV

Lab Chronicle

Client: EnviroTrac, Ltd.
Project/Site: Geigy Chemical Corp. / 11.990010.00

TestAmerica Job ID: 680-144018-1

Client Sample ID: MW-27L

Lab Sample ID: 680-144018-6

Date Collected: 10/04/17 14:36

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 17:51	JCK	TAL SAV
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497905	10/10/17 19:15	JCK	TAL SAV

Client Sample ID: MW-25L

Lab Sample ID: 680-144018-7

Date Collected: 10/04/17 15:41

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:08	JCK	TAL SAV

Client Sample ID: MW-37L

Lab Sample ID: 680-144018-8

Date Collected: 10/04/17 16:36

Matrix: Water

Date Received: 10/06/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	497905	10/10/17 18:25	JCK	TAL SAV
Total/NA	Prep	3520C			497743	10/09/17 16:10	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		5	497905	10/10/17 19:31	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: EnviroTrac, Ltd.

TestAmerica Job ID: 680-144018-1

Project/Site: Geigy Chemical Corp. / 11.990010.00

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-17 *
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Savannah

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Login Sample Receipt Checklist

Client: EnviroTrac, Ltd.

Job Number: 680-144018-1

Login Number: 144018

List Source: TestAmerica Savannah

List Number: 1

Creator: Edwards, Jessica R

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No sample date on COC, logged in per container labels.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 6
2017 MONTHLY WINDSHIELD SURVEY

Reconnaissance for New Construction within Area of Plume

Project: Geigy Superfund Site

Date: January to December 2017

Location: Aberdeen, NC

Data Collected by: CWH

Project No.: 11.990010.00

Date	Address	Property Description
01/27/17		No observed change
02/28/17		No observed change
03/27/17		No observed change
04/25/17		No observed change
05/30/17		No observed change
06/26/17		No observed change
07/12/17		No observed change
08/23/17		No observed change
09/28/17		No observed change
10/03/17		No observed change
11/27/17		No observed change
12/14/17		No observed change